Haynes Do-It-Yourself Manuals for Harley-Davidson help bike owners with anything from simple maintenance to basic repairs.

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Sonic Equipment tools are available in metric and SAE (inch) sizes. Professional quality at affordable prices.

JUST IN TIME TO SHOW THEM!
These parts came in just too late to make it into this catalog, but you can definitely find them in the Zodiac Online Catalog at http://catalog.zodiac.nl.

Fuel-Tool

FUEL TOOL FUEL PRESSURE GAUGE
Allows you to quickly diagnose any issues with the fuel system on all 2001 to present Delphi fuel injected Harleys, such as loss of power, poor fuel economy, hesitation and stalling.
747364 Fuel pressure gauge

ZODIAC POINT OF SALE ADVERTISING PRODUCTS

Newly designed Zodiac point of sale flags, stickers and dealer signs. Stickers are available in different sizes that have either normal or "wrong" sticky side for inside the window use.

Note to consumers: When you are in a Harley Shop or Harley Workshop and you don't see one of these signs, you must really start to wonder if you are in the right place!!

999964 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7cm)
999963 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7cm) sticks to the inside of a window
999966 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60cm)
999965 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60cm) sticks to the inside of a window

999960 Zodiac sticker, 8 1/4" x 11/16" (21x29.7cm)
999959 Zodiac sticker, 8 1/4" x11/16" (21x29.7cm), sticks to the inside of a window
999991 Zodiac sticker, 17 5/16" x 23 5/8" (44 x 60)
999992 Zodiac sticker, 17 5/16" x 23 5/8" (44 x 60cm) sticks to the inside of a window
999923 Zodiac stickers, oval 5 3/4" x 2 19/32" (14.5 x 6.6cm), 100 pack

999976 Zodiac flag 40" x 60" (100 x 150cm)

ZODIAC SHOPPING BAGS

Made from fully recyclable Low Density Polyethylene these shopping bags are full color printed with the Zodiac logo surrounded by artist's impressions from nine different Harley engines: Ironhead Sportster, Evolution Sportster, Flathead, Panhead, Knucklehead, early,- and late Shovel, Evolution Big-Twin and Twin-Cam. These bags look so good, they will be a collector's item soon. Bags are 16 1/8" wide and 18 1/2" high. Sold to dealers in packs of 25 pieces.
999822 Zodiac shopping bags, 25-pack

ZODIAC BANNER

A huge, 6 meter (almost 20 feet) long and 1 meter (over 3 feet) high banner with pressed in copper eyelets. Features twice the Zodiac logo and our slogan "performance products for Harley-Davidson". Made of strong woven polyester with high quality imprint that will last for years, no matter if the banner is used indoors or outdoors.
999989 Zodiac banner

ZODIAC LOGO BANNER

This banner shows the Zodiac logo and is made from strong vinyl with pressed-in copper eyelets. Measures 200 x 100 cm (79" x 39").
999824 Zodiac Logo Banner 200x100cm

SPECTRO METAL DEALER SIGN

Metal Spectro sign measuring 30" x 14" (76 x 36cm) and available to Spectro selling Zodiac dealers only.
999908 Spectro metal dealer sign

PM BILLET ALUMINUM SIGN

For over 30 years PM has produced the highest quality billet aluminum brake systems and wheels. Now you can get your very own billet PM sign. Twenty-four inches (61cm) of blue anodized, Performance Machined billet aluminum. A must for dealers and a must-have for serious PM fans.
721514 PM Billet aluminum sign

JAMES GASKET DISPLAY BOARDS

James Gaskets' sturdy, three-color gasket boards measure 32" (81cm) tall and 48" (122cm) wide and come ready to mount on 1/8" (3mm) or 1/4" (6mm) thick pegboard with 1" (25.4mm) center-to-center holes. Each gasket board comes with all of the mounting hardware, metal hooks and clamshell blister packs for the smaller items. Boards are made of 20 mil vinyl for a great appearance and years of service.
742870 Engine gaskets & seals 1965 thru 1984 Shovelhead Big Twins
742871 Engine gaskets & seals 1936 thru 1964 Panheads and Knuckleheads
742872 Engine & primary gaskets & seals 1986 thru 2003 Sportsters
742873 Engine gaskets & seals 1984 thru 1999 Evolution Big Twins
742874 Engine gaskets & seals 1999 to present Twin Cams

DIAG-4-BIKE SERIAL DIAGNOSTIC & TUNING

The Diag-4-Bike is a professional diagnostic tool for Harley-Davidson workshops and tuning centers. All you need is one of the two interfaces, the software package and a PC or laptop with USB connection and running Windows XP, Windows Vista or Windows 7. Start your PC and the Diag-4-Bike software, plug the interface into the motorcycle's diagnostic connector and you can run a complete diagnostic test or check if all on-board electronics, sensors and actuators work correctly. But there is more! Apart from these tests the Diag-4-Bike also allows you to adjust idle speed between 800 and 1,200 rpm on models with a Delphi Fuel Injection, pair new key fobs with the on-board Security Module, and so on.

The most important features are:

- Multi-lingual: English, German, French, Italian, Spanish, Dutch, Czech, Russian
- Global test and report
- Read -and clear!- Diagnostic Trouble Codes
- Monitor real-time data such as throttle position, temperature, O2 sensor values, etc.
- Read Identification Data (part number and VIN) from ALL modules
- Ignition module test
- EFI (Electronic Fuel Injection) module test
- TSSM (Turn Signal Security Module) test
- HFSM (Hands Free Security Module) test
- Change TSSM and HFSM configuration, including pairing of new key fobs
- Gauge (speedometer, tachometer and instrument cluster) test
- Test fuel injectors, Throttle Position Sensors, MAP sensors, main relay, fuel pump, turn signals, lamps and so on and so forth
- ABS Module test
- ABS brake bleeding
- Radio: test, pairing & configuration
- Buell TPS adjustment
- Version 13 and later is also capable to flash tune the stock Electronic Control Module with your own built tune file or one of the tune files available from the Diag-4-Bike website. To make it possible to break into the ECM you need one Diag-4-Tune dongle per motorcycle. This dongle is a USB device that is capable to unlock and mate with the ECM of one motorcycle and is also used to save the standard tune file of the motorcycle. To make it easier for dealers to build their own tune files we strongly recommend the optional available air/fuel ratio monitor and throttle control limiter.

The current version of the Diag-4-Bike software supports all Harley-Davidson and Buell models produced up to July 2014. When you buy a Diag-4-Bike software package you will get all 2014 software updates for Harley and Buell models that are produced up to July 2014 Free Of Charge. The software package comes complete with a very detailed and comprehensive instruction book and cables to connect to either SAE J-1850 or CAN bus systems. A 2-channel voltmeter adapter is also available that can be used as a 2 channel diagnostics scope when connected to the Diag-4-Bike. To allow for PIN read/FOB assignment on armed bikes a CAN disarming cable must be purchased separately. To start with Diag-4-Bike you have to order the software kit ZPN732056 with either the ZPN732050 standard USB interface or the ZPN732051 combined USB & Bluetooth interface.

732050 Diag-4-Bike standard USB interface
732051 Diag-4-Bike Bluetooth USB interface
732056 Diag-4-Bike software with instruction book and J-1850 and CAN-bus connection cables
732057 2-Channel voltmeter adapter
732049 NEW Optional CAN disarming cable for PIN read/FOB assignment on armed bike

732044 NEW Optional Air/Fuel Ratio Monitor

732046 NEW Optional Throttle Control Limiter

732045 NEW Diag-4-Tune dongle

DIAG-4-BIKE BREAK-OUT BOX FOR PARALLEL DIAGNOSTICS

This break-out box is a simple to use tool to measure input and output signals from the Electronic Control Module (ECM) and all related sensors and modules of the Electronic Fuel Injection (EFI) model bikes. And this can even be done on a running motorcycle. The break-out box is connected with the separately available T-connector, which is connected in between the ECM and the main connector. Now you have easy access with the probes from your Multi Meter or scope to all connections, allowing to measure input and output signals as well as checking the wiring integrity. The Break-out box comes complete with a practical casing that can also hold extra T-Connectors. The T-connectors are available for Delphi and Magneti Marelli injection systems, Turn Signal Modules (TSM), Turn Signal Security Modules (TSSM) and Hands Free Security Modules (HFSM), as well as for the Fuel Injection and Body Control Module (BCM) on the latest models with Harley-LAN, also known as CAN-Bus systems. T-connectors come with easy to read pin-layout charts. A kit with 73 common connectors for non-destructive diagnostic operations anywhere else in the wiring harness is also available.

732053 Break-out box (complete with casing)
732054 T-connector for 36 pin Delphi Fuel Injection
732055 T-connector for 35 pin Magneti Marelli Fuel Injection
732058 T-connector for 73 pin Delphi Fuel Injection on 2008 to present Touring models
732059 T-connector for 12+4 pin TSM, TSSM and HFSM modules
732047 NEW T-connector for 18+18 pin Delphi Fuel Injection on CAN-Bus equipped models
732048 NEW T-connector for 36+48 pin Body Control Module (BCM) on CAN-Bus equipped models

732041 NEW Universal kit with 73 common adapters

DIAG-4-BIKE EASY TUNING DONGLE

With this Easy Tuning dongle it is possible to change the Fuel Injection tuning of a Delphi fuel injected model without the installation of a piggyback style Fuel Injection tuner or replacing the complete ECM. The Diag-4-Bike Easy Tuning dongle is a special USB flash drive that allows dealers who use the Diag-4-Bike software Version 12 or higher to unlock the stock Delphi ECM of one motorcycle and adjust the Fuel Injection in a limited range of +/- 20%, usually more than enough for a stock bike or when a performance exhaust and/or performance air cleaner is installed. Apart from changing the Fuel Trim table it also allows for acceleration enrichment, spark advance table changes, switching the O2 (a.k.a. Lambda) sensors off and on and change of the Throttle By Wire speed up. The Easy Tuning dongle is used to store the stock tune file and should remain with the motorcycle. It is not recommended for bikes with hot cams, Big Bore or stroker kits or with modified compression. For these we recommend the ZPN732045 High-Performance Tuning dongle.

732039 Diag-4-Bike Easy Tuning dongle

ACTIA ATAL

TWIN SCAN PLUS KITS

These are proven tuning aids for Screamin' Eagle Pro Super Tuner, Screamin' Eagle Race Tuner (SERT), Dynojet Power Commander, and of course Daytona Twin Tec's own Twin Tuner. Very professional kits that includes the WegoIIID dual channel wide-band oxygen sensor system for logging front and rear cylinder air/fuel ratio (AFR) data along with engine data. The Twin Scan software analyzes logged data and displays AFR and the required volumetric efficiency (VE) correction (in percent) with the same RPM rows and throttle position sensor (TPS) or manifold pressure (MAP) columns used in these systems' tables. TwinScan II software can directly copy and paste to an Excel spreadsheet that you can use to calculate the required corrections and then copy and paste the data to the Super Tuner or Power Commander software. You can also directly export calculated fuel correction data to Twin Tuner data files. The complete kit includes WEGO IIID Dual Channel Wide-Band Exhaust Gas Oxygen Sensor Interface, two Bosch LSU4.2 5-wire wideband oxygen sensors, two 18x1.5mm weld nuts for mounting sensors on the exhaust pipes, and a Daytona TwinScan II or TwinScan 3 scan tool with ABS bleeding option, as well as software on CD-ROM. When you have to work both on models with J-1850 and CAN-Bus databus you can order a TwinScan II or TwinScan 3 separately.

742037 TwinScan II kit for use on models with J-1850 data bus such as 2001 thru 2010 Softail, 2001 thru 2011 Dyna, 2001-2013 Touring, 2002 to present V-Rod and 2007-2013 Sportster

742040 TwinScan 3 kit for use on models with CAN-bus data bus, such as 2011 to present Softail, 2012 to present Dyna, Tourer and Sportster 2014 to present

Optional Parts

742036 TwinScan II diagnostic scan tool with ABS bleeding function for models with J-1850 data bus

742039 TwinScan 3 diagnostic scan tool for models with CAN-Bus system

JIMS AFR DIAGNOSTIC SNIFFER

The Jims AFR (Air/Fuel Ratio) Diagnostic Sniffer Tool allows you to accurately diagnose and record your current air to fuel ratio. Jims has manufactured and assembled all the parts needed for a single part number, user-friendly, AFR diagnostic sniffer tool kit for use with the Daytona Twin Tec WEGO AFR Monitoring System. Simply install the WEGO III sensor cable into the new JIMS manifold sniffer. The Jims AFR Diagnostic Sniffer comes complete with heat wrap, wire taps, and clamp for securing the sniffer to the exhaust system. During testing, the Jims AFR Sniffer gives readings that are virtually identical to the readings from a wide-band sensor mounted in the stock location near the cylinder head and accurate readings were obtained at above approximately 10% throttle.

751113 Jims AFR diagnostic sniffer

TWIN SCAN II DIAGNOSTIC SCAN TOOL

The Twin Scan II scan tool is compatible with 2001 to present fuel injected models using Delphi system, including V-Rod, Twin Cam models, as well as 2003 thru 2006 carbureted models with the 12-pin ignition module. It is a low-cost tool that uses the USB port on your laptop or PC for display and comes complete with Windows software.

Features are:

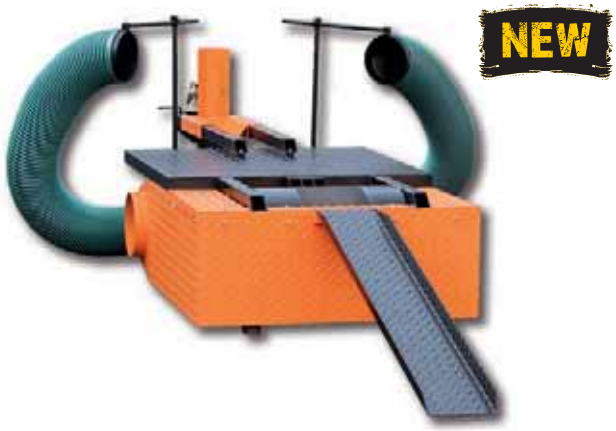
- Reads and clears diagnostic trouble codes from ECU (engine control unit), TSSM (turn signal/security module), speedometer, and tacho.
- Real time display of engine data on instrument panel type display.
- Built-in data logging. Stores up to 45 minutes of data. Automatically triggers when a trouble code is set. Shows data before and after code is set.
- Includes two analog inputs for air/fuel ratio (AFR).
- Compact size.

Also available in a version with ABS bleeding function. The TwinScan II's are for models with a J-1850 data bus. The TwinScan3 is for models with a CAN-Bus system such as 2011 to present Softail and 2012 to present Dyna.

741998 TwinScan II diagnostic scan tool

742036 NEW TwinScan II diagnostic scan tool with ABS bleeding function for models with J-1850 data bus

742039 NEW TwinScan 3 diagnostic scan tool for models with CAN-Bus system



DIAG-4-TUNE/DIAG-4-BIKE SMART POWER BENCH

The Smart Power Bench is the ideal extension for dealers that want to use the diagnostic and/or tuning capabilities of Diag-4-Bike to their full extend, including simulation of a road test. The smart design with a heavy weight and large diameter roller and built-in cooling fan simulates engine load equivalent to a road test, provides data for both power and torque curves, facilitates measurements of Volumetric Efficiency maps for engine tuning and give the opportunity to carry out engine diagnostics whilst under load. The Smart Power Bench does not feature an eddy current or other type of brake. Instead, it uses a drum-driven fan system, giving more resistance when the rear wheel speed goes up.This clever design makes it an affordable investment for any bike shop. Measuring only 2.5 meter long, 48 cm high and 1 meter wide it does not require much space in your workshop either. The Smart Power Bench is delivered and installed in your workshop by specialists from Actia-Atal, the company that also develops and produces the Diag-4-Bike hard- and software. These people will also demonstrate and instruct your staff how to use it.

Technical details:
Weight: 350Kg
Roller diameter: 450mm
Total momentum of inertia: 12 Kg/m2
Fan power dissipation: up to 50kW at 250KM/H
Maximum roller velocity: 250KM/H
PC Interface: RS 232 or USB

732040 Smart Power Bench

S&S SSW+ ENGINES SERVICE MANUAL

This is the first service manual covering the Super Sidewinder Plus engine series, 111", 117", and 124". This manual is another example of how S&S is continuing to elevate its service to the V-Twin community and industry. This 4 1/8" boreengine service manual, a first in a series, is designed to guide a technician through the complete servicing procedure of an S&S Super Sidewinder Plus engine. With comprehensive instructions, complete specifications, high-quality photography, and tips directly from the S&S service technicians, this manual will be a valuable tool in every shop.

750528 S&S SSW+ engines service manual

S&S SUPER STOCK & SUPER SIDEWINDER ENGINES SERVICE MANUAL

This manual covers some of the most popular S&S engines the Super Stock and Super Sidewinder. All of the information you need for an S&S 88ci, 96ci, 100ci, 107ci and 113ci can be found on its pages. Detailed descriptions, plenty of photos and lots of helpful tips make this an important addition to your garage.

750646 S&S Super Stock and Super Sidewinder engines service manual

S&S T-SERIES ENGINE SERVICE MANUAL

Comprehensive manuals on how to service, build or re-build the S&S T124 engine. Outlines all procedures necessary for both the home mechanic and shop technician to ensure maxi-mum performance and longevity.

750963 S&S T-Series manual

S&S X-WEDGE-SERIES ENGINE SERVICE MANUAL

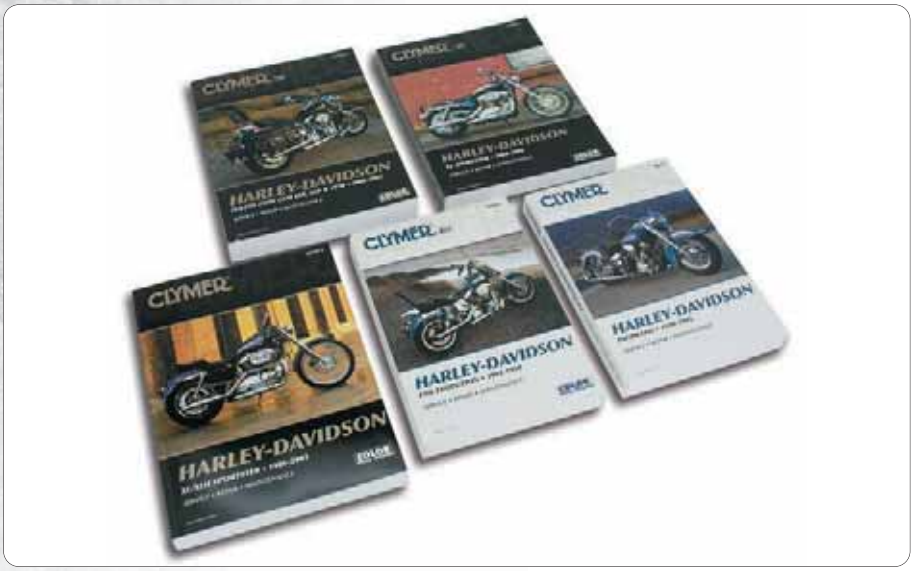
The S&S X-Wedge engine is a pushrod operated V-Twin engine, and that is about every similarity with a Harley. When you have one or want to know more about this engine this comprehensive manual is a must. Outlines all procedures necessary for both the home mechanic and shop technician to ensure maximum performance and longevity of the S&S X-Wedge 114, 117 and 121 Cubic Inch engines.

750964 S&S X-Wedge engine Service Manual

SERVICE MANUAL FOR S&S PANHEAD-STYLE, SHOVELHEAD-STYLE & KNUCKLEHEAD STYLE ENGINES

This manual covers the S&S Panhead style P93, P93H and P103, the Shovelhead style SH80, SH93, SH93H, and SH103H, as well as the Knucklehead style KN73, KN93 and KN-Kone 93 engines. With detailed photos, in-depth instructions, and complete specifications, it is a "must have" for both professional and home technicians alike. Detailed instructions, tips from the S&S Product Development Department, and large, clear photos will help technicians keep P and SH-Series engines properly maintained for years to come.

750965 S&S SH, P and KN-series engine service manual



CLYMER REPAIR MANUALS

Clymer repair manuals provide step-by-step procedures based upon the complete disassembly of the motorcycle. This hands-on experience combined with extensive research results in a manual that is both detailed and user-friendly. Hundreds of original photos and illustrations guide the reader through every job, making it easy to reduce repair costs. Whether it is routine maintenance, such as tune-ups and brake service, or more extensive repairs involving engine and transmission disassembly. Clymer manuals provide reliable information required to perform the job. Accurate, clear and concise text, combined with detailed illustrations and photography, make it possible for the novice power sports enthusiast to safely and enjoyably service their vehicle. While at the same time, the in-depth coverage provides indispensable information for those tackling more complicated procedures. Clymer manuals are available in English only.

For Sportster models

797002 For 1959 thru 1985 Sportster models

797012 For 1986 thru 2003 Evolution Sportster models. Includes coloring wiring diagrams

796998 For 2004 to present Evolution Sportster models. Includes coloring wiring diagrams

For V-Rod models

796999 For 2002-2006 VRSCA, 2004-2005 VRSCB, 2007 VRSCAW, 2005-2006 VRSCSE Screamin' Eagle, 2007 VRSCX Screamin' Eagle, 2006-2007 VRSCR Street Rod, 2006-2007 VRSCD Night Rod and 2007 VRSCDX Night Rod Special. Includes coloring wiring diagrams

For single cam Big Twin models

797000 For 1948 thru 1965 Panhead models

797001 For 1966 thru 1984 Shovelhead Big Twin. Includes coloring wiring diagrams

797006 For 1984 thru 1998 Evolution Big Twin powered FLH, FLT and FXD series models. Includes coloring wiring diagrams

797010 For 1984 thru 1999 Evolution Big Twin powered Softail & 1984 thru 1986 FXEF, FXWG, and FXSB models. Includes coloring wiring diagrams

797008 For 1991 thru 1998 Evolution Big Twin powered Dyna models. Includes coloring wiring diagrams

For Twin Cam Big Twin models

797007 For 1999 thru 2005 Twin Cam & 103 powered FLH & FLT series Touring models. Includes coloring wiring diagrams

796996 For 2006 thru 2009 Twin Cam powered FLH & FLT series Touring models. Includes CD with wiring diagrams and diagnostic flow charts

797009 For 1999 thru 2005 Twin Cam powered Dyna models. Includes coloring wiring diagrams

796995 For 2006 thru 2011 Twin Cam powered Dyna models. Includes coloring wiring diagrams

797011 For 2000 thru 2006 Twin CamB, 95B & 103B powered Softail models. Includes coloring wiring diagrams

796997 For 2007 to present Twin CamB powered Softail models. Includes CD with wiring diagrams

NEW

HAYNES DO-IT-YOURSELF REPAIR AND MAINTENANCE MANUALS

Haynes Do-It-Yourself Manuals for Harley-Davidson have clear instructions and hundreds of color photographs to help you perform anything from simple maintenance to basic repairs. Haynes manuals are intended for bike owners, for professionals we recommend our Clymer manuals. Available in English only.

Haynes Do-It-Yourself Manuals feature chapters on:

- Routine Maintenance and servicing
- Tune-up procedures
- Engine, clutch and transmission repair
- Fuel system and exhaust
- Ignition and electrical systems
- Brakes, wheels and tires
- Steering, suspension and final drive
- Frame and bodywork
- Wiring diagrams
- Reference Section

796951 For 1970 thru 2010 Harley-Davidson XL Sportster models with 883, 1000, 1100 or 1200cc engine

796952 For 1970 thru 1999 Harley-Davidson FL, FX, FLT, FLH, FXR, Touring, Dyna and Softail models with 74CI (1200cc) or 80CI (1340cc) Shovelhead or 80 CI (1340cc) Evolution Big Twin engine

796950 For 1999 thru 2010 Harley-Davidson Twin Cam powered Softail, Dyna Glide and Touring models with 88CI (1450cc) or 96CI (1550cc) engine

NEVR-DULL WADDING POLISH

Nevr-Dull is chemically impregnated cotton wadding manufactured under a special process. Cleans and polishes by the combination of special ingredients. All you do is tear off a small wad of Nevr-Dull and rub slowly over the surface to be cleaned, then take a clean dry cloth and gently buff. Your metal surfaces will shine like never before. Removes rust and tar while leaving a high luster and protective film on chrome, aluminum, brass and other surfaces.

232010 Nevr-Dull Wadding Polish

PROFESSIONAL ENGINE CLEANING BRUSH KIT

It is the same for cleaning equipment as it is for tools: the proper tool is half the job. This kit contains 9 different brushes with stiff nylon bristles in diameters ranging from 1/4" thru 5". The perfect tool to clean oil passages and beating bores. Bristles will not melt when used with solvents. All brushes have a loop on the end of the handle for easy hanging and storage.

731542 Brush Kit

LUSTER LACE CHROME POLISH

A non-abrasive polish and super-protectant specially formulated to bring a brilliant shine to chrome and other fine metal surfaces, also works on paint and clear lacquer. Bottle contains 8 fl. oz. (216 ml).

701224 Luster Lace Chrome Polish

ACCEL FLUID-ZAP PADS

FluidZap™ pads are designed for all work areas and eliminate the need for expensive shop rags or laundered towel services. Made with a patented process, these highly absorbent disposable pads are designed to absorb automotive liquid including gasoline, transmission fluid, motor oil, brake fluid, anti-freeze and more. The pads are strong and durable perfect for use under motorcycles, cars, trucks and lawn equipment, or anywhere that something may leak and spill causing a dirty or unsafe condition. They are also ideal for use on workbenches, especially when working on oily or greasy projects like transmissions or small engine repairs. FluidZap pads are so absorbent that each pad can contain up to 1/2 quart of oil! Professional mechanics and weekend home mechanics alike will appreciate the versatility, performance and exceptional absorbency of FluidZap Pads for even the toughest jobs! Pad size is 17" x 23".

231752 Fluid-Zap Pads

SPECTRO'S ALL PURPOSE CONTACT/BRAKE CLEANER

An ideal spray to quickly clean and degrease all metal surfaces, leaving no residue. Works perfectly when used to clean your disc brake rotors, calipers and brake pads. Can also be used for degreasing engine parts. Sold in 12.5 oz. bottles.

235213 12.5 oz Spray can (each)
235214 Shop case of 12 spray cans

Dealer Notification: SPRAY CANS ARE SUBJECT TO SAFETY REGULATIONS AND THEREFORE CAN NOT BE SHIPPED BY AIR (SUCH AS UPS EXPRESS SAVER), THEY CAN ONLY BE SHIPPED AS ROAD CARGO (SUCH AS UPS STANDARD AND TNT ECONOMY EXPRESS).

CHEM-TOOLS 5 PIECES CARE SET

Chem-Tools assembled for you all necessary products to maintain your bike in premium condition. Supplied in a plastic box you will find a micro fiber cloth and four different sealers and polishes.

- Acryshield S, high quality acrylic polish, bottle of 100ml
- Acryshield, sealer for smooth surfaces, 150ml
- Alu Protect, sealer and anti corrodent for polished aluminum, 150ml
- Alu & Chrome Polish, premium quality metal polish, 100ml

All products are silicone free.

741598 Chem-Tools 5-Piece care set

CHEM-TOOLS CUSTOM WASH

Attack the dirt and muck on your bike with this powerful cleaner. This very effective formula leaves a shiny finish, cleans without streaks or stains. Works well on all kinds of surfaces, even brake dust is easily removed. Available in a oneltr bottle. Not intended for Rat Bikes!

741595 Custom Wash

LUSTER CARE DISPLAY RACK

The perfect presentation of Luster Care products in your shop. An attractive sales display, completely built and loaded with Luster Care products, only requires limited space (32 x 32cm). Comes complete with 6x Luster Lace Combo (701208), 6x LusterPad (701212), 6x LusterSeal (701214), 6x Revitalizer (701215) and a pack of info brochures.

701216 Luster Care Display rack

LUSTER LACE COMBO PACK

Luster Lace is a polishing system like no other and this combo pack contains everything you need to start a perfect cleaning job. Luster Lace polishing strips for round and tubular objects together with a bottle of Luster Revitalizer, a Luster pad for all flat and uneven surfaces and a lint free, washable and reusable Microfiber cloth to remove swirls and give the finishing touch.

744380 Luster Lace Combo Pack

LUSTER PAD METAL POLISH

Luster pad metal polish contains a specially formulated cleaner/polish embedded into the cloth. Luster Pad is perfect for flat and uneven surfaces and is excellent on aluminum wheels, engine casings, valve covers and much more. Just a 2" piece is all you need. For the larger surfaces use the Luster Super Pad.

701212 Luster pad metal polish, 3/4" total 5ft.

701213 Luster Super pad metal polish, diameter 13cm

LUSTER REVITALIZER

Replenishes the liquid ingredients in Luster Lace. Just a few drops of Revitalizer can extend the life and polishing qualities of Luster Lace.

701215 Revitalizer. 2 oz. bottle

LUSTER LACE METAL POLISH

Luster Lace is a polishing system like no other. It's so unique it's patented. Developed specifically for round and tubular objects, Luster Lace polishes all the way around in one motion, so you don't miss a spot. Polish impregnated Luster Lace is fast and easy to use with polishing power that can't be beat. No other method cleans and polishes with the speed or efficiency of Luster Lace Metal Polish. Available in three convenient sizes or a combo pack that covers it all.

701209 Luster Lace Narrow, 1/2", 14 pieces and 18ft. total

701210 Luster Lace Medium, 3/4", 9 pieces and 15ft. total

701211 Luster Lace Wide, 1 1/4", 6 pieces and 14ft. total

701208 Luster Lace Combo, 4 Narrow, 3 Medium and 2 Wide, total 15ft.

LUSTER SEAL METAL SEALANT

Luster Seal metal sealant is an advanced non-abrasive acrylic formula specially designed for cleaning, preserving and protecting chrome, clear coat, painted wheels or any bare metal surface. Seal in the shine, seal out pollution, oxidation and salt damage. When used alone or with any Luster Care polishing product, Luster Seal Metal Sealant will seal and protect your shine for up to 6 months.

701214 Luster Seal 8 oz. bottle

LOCTITE 3463 METAL FILLED COMPOUND

A steel filled Epoxy compound in a kneadable stick. Adheres to damp surfaces and cures even under water. Sets in 10 minutes. Chemical and corrosion resistant. Can be drilled, filed and painted. Use as an emergency sealing of leaks in pipes and tanks, smoothes welds and repairs small cracks in castings. Has a shear strength (GBMS) of over 870 psi (6 N/mm)2) and a compressive strength of 82.7 N/mm)2) (12,000 psi). Service temperature range: -30°C to +120°C (-20°F to +250°F).

748012 Loctite MetalMagic, stick of 50 gram (1.75 oz.)

LOCTITE 5910 PREMIUM SILICONE BLACK

The Loctite 5910 Premium Silicone Black Gasket Maker/Sealer is sensor safe, forms a flexible silicon seal and is suitable for use on valve covers, oil pans, intake manifold end seals, timing covers, transmission pans, etc.

Features & Benefits:

- For flanges with permanent oil contact
- Can be used for metal, plastic and painted parts
- Low odour
- Non-corrosive
- Meets performance specs of OE silicone gaskets
- Temperature resistance: -55°C to 250°C (-65°F to 480°F) intermittent

748013 Loctite Silicone Black, 80 ml.

LOCTITE QUICK GASKET

Loctite Quick Gasket cures to a permanently flexible, reliable and long lasting gasket. The unique even-flow nozzle is very easy to use and allows dispensing with extra accuracy. The product can also replace cut gaskets.

- Continuous service temperature up to 200°C (390°F), intermittent up to 260°C (500°F).
- Withstands all shop fluids like oil, coolant and ATF
- No odor
- Instant sealing performance: up to 0.25mm at 0.35 bar
- Not for use on head gaskets or on parts in continuous contact with fuel

748014 Loctite Quick Gasket, 200 ml aerosol can

LOCTITE 401 SUPER GLUE

Loctite Super Glue works on more surfaces than other instant adhesives. Special formula allows for faster bond on more surfaces. Comes ready to use in a 3 gram tube.

748018 Loctite Super Glue

LOCTITE 7200 GASKET REMOVER

This fast-curing formula, sensor-safe gasket remover quickly removes even baked-on gaskets and sealants. Removes gaskets from any type of assembly in 10 to 12 minutes, prevents damage to flanges and reduces scraping and sanding. It also prepares metal parts for new gaskets and assembly. A "must-have" for every professional and great help for do-it-yourself jobs. Comes in a 400 ml. spray can.

748016 Loctite gasket remover

LOCTITE 5699 ULTRA GREY RTV SILICONE GASKET MAKER

Designed for High-Torque applications. Sensor safe, low odor, non corrosive. Has outstanding oil resistance and is guaranteed not to leak. Works in the temperature range of -75°F to 625°F (-60° to 330° C), resists auto and shop fluids and is vibration proof.

748017 80 ml. Tube

LOCTITE 5920 ULTRA COPPER HIGH TEMP SILICONE RTV GASKET

Loctite Ultra Copper high temperature silicone RTV gasket is sensor-safe, low odor and non corrosive. It is the most advanced high temperature silicone gasket available and gives superior adhesion, is outstanding oil resistant and has excellent torque retention. Temperature range from -75°F to 700°F (-60° to 370° Celsius), resists all types of automotive and shop fluids and vibration. Recommended for use on exhaust manifolds and connectors, valve covers, etc. Comes in a 80 ml. tube. Sold each.

748015 High temperature silicone

LOCTITE 271 STUD 'N' BEARING MOUNT

High strength for Heavy Duty applications. For permanently locking studs and press fits. Restores worn bearing houses. Replaces set screws and snap rings. Locks against vibration loosening. Requires extra effort for removal (OEM 99671-87T).

748007 5 ml. Bottle
748008 24 ml. Bottle

LOCTITE 243 ALL PURPOSE REMOVABLE MOUNT

Medium strength thread locking fluid that locks all nuts, bolts, seals, screws and fittings 1/4" (6mm) or larger. Will seal against air leaks, oil leaks, fuel and hydraulic leaks. Can be easily dismantled with regular tools (OEM 99642-87T).

748003 5 ml. Bottle
748004 10 ml. Bottle
748005 24 ml. Bottle

LOCTITE 221 THREADLOCKER FOR ALUMINUM

Low strength threadlocker designed for use with fasteners under 1/4" (6mm) in aluminum, that require occasional adjustment. Removable with normal hand tools.

748002 50 ml. Bottle
748001 10 ml. Bottle

LOCTITE 262 PERMANENT THREADLOCKER

A high strength thread locker that can be applied to 3/8" to 1" fasteners. Designed for securing parts that must withstand heavy shocks and vibration. Heat and hand tools are required for disassembly.

748006 50 ml. Bottle

LOCTITE 640 BEARING FIT AND SLEEVE RETAINER

High strength, anaerobic adhesive. Secures any slip fit assemblies. Adds up to 3000 PSI holding power. Secures bearings, bushings valve guides, valve seats, liners, etc. and restores fit to worn or out-of-tolerance assemblies. Requires special tools and heat for removal.

748010 50 ml. Bottle

LOCTITE 542 HYDRAULIC SEALANT

Medium strenght; Designed for sealing and locking hydraulic and pneumatic systems. Contain no particles that could contaminate fluids or foul valves. For use with hydraulic brake line fittings and nipples, as well as transmission, and pneumatic fittings. Has controlled locking strength.

748009 10 ml. Bottle

LOCTITE 3450 METAL REPAIR

Loctite 3450 is a grey, fast cure 2-component epoxy for structural bonding, ideal for metal repair. Has a working time of 4 to 6 minutes and a fixture time of 15 minutes. Service temperature range is from -55°C to over 100°C.

748011 Loctite 3450 metal repair, 25 ml

SPECTRO WATERPROOF GREASE

This multi-grade, extreme pressure grease does not thin out at high temperatures, and provides superior protection in all critical applications. Ideal for use in wheel bearings, steering head bearings, and swing arm pivots.

235212 6-pack 1 lb. (0.454kg) tubs

741765 Tub 1 lb. (0.454kg)

LOCTITE 290 PENETRATING THREADLOCKER

A high strenght, low viscosity liquid that wicks along the threads of pre-assembled fasteners to secure them in place. For fasteners ranging from #2 to 1/2" (2.2mm to 12mm) in size. Removable with heat and hand tools.

748000 50 ml. Bottle

PRUSSIAN BLUE

Prussian Blue aids precision fitting of machined surfaces. Locates high spots on bearings, valves, gears and other close to the tolerance components. Prussian Blue is non-drying and easy to clean up. Sold in .75 fl. oz. (22 cc) tubes.

720133 Prussian Blue

SPECTRO performance Oils

SPECTRO ASSEMBLY LUBRICANT

Spectro assembly lubricant is recommended for initial scuff and wears protection in re-assembly and repair of engines. This is a heavy lubricant fortified with anti-scuff polymers. Spectro assembly lubricant when, applied to rings, cam lobes, gears and bearings, coats and plates completely and assuring total starting protection. It is compatible with all petroleum-based products. It also exhibits anti-rust properties for prolonged storage of engine or transmission parts.

741348 Spectro assembly lubricant, bottle of 4 oz

741335 Shop pack of 12 bottles

NEW

AMA-EASY GSM/GPS SECURITY & ALARM SYSTEM

Wherever you are, stay tuned with your bike. The AMA-Easy GSM/GPS is an alarm system that even keeps track of your valuable motorcycle. It will send a SMS (text message) to your mobile phone to inform you about every unwanted approach of your vehicle and also traces the vehicle thanks to the GPS function. All functions, password and telephone number are programmable through your mobile phone by sending an SMS (text) message. The AMA-Easy GSM+GPS alarm system is easy to connect and is easy on your battery as it has a very low current consumption, but is also equipped with a Li-Ion back-up battery. Protects against shocks and lift up thanks to the built in omni-directional GOLD-plated shock- and movement sensor. Even protects against key theft. The alarm system is automatically armed when you switch off the ignition key and sends an SMS (text) message with the location of the vehicle to your mobile phone when the bike is moved, being tampered with, or when the battery is disconnected. The longitude and latitude given can be used on, for example, Google Maps to locate your bike within a few meters. Can also be used on cars, boats and other vehicles. Easy to install with just three wires to connect. Mobile phone not included.

Features:

- Two-way communication between your mobile phone and the AMA3.
- No range limit.
- Build-in LI-ION POLYMER back-up battery.
- Internal GSM/GPS antenna.
- Battery monitoring and low battery warning via SMS (text) message.
- Can be re-programmed to communicate with an other mobile phone or mobile phone number
- All functions are password protected.

Technical specifications:

Power supply: 8 to 20 VDC.
Wiring loom: length 1.5 meter, fused with 2A.
Power Consumption:-14 mA standby and 20 mA to 2A (peak) in alarm phase.
Programmable positive or negative trigger input.
Alarm output (12V positive max. 0.5 A).
Build-in LI-ION charger 4.2 V-120 mA.
Back-up battery: LI-ION POLYMER 3.7V-720 mAH.
Dimensions: L= 92mm x W= 50mm x H= 23mm (L=3 5/8" x W=2" x H=7/8")
IP66 waterproof rated
Approved under e 6 03 0222
RoHS compliant GPS module: SiRF star III

751702 AMA Easy GSM/GPS Alarm system

MASTER LOCK DISC BRAKE LOCK

This disc lock features a 65mm (2 1/2") deep and 9mm wide throat that boosts a high security disc cylinder. Bright red painted, comes complete with reminder cable and carrying pouch. Prevents for roll-away theft.

738006 Master Lock

MASTER LOCK PADLOCK STYLE DISC BRAKE LOCK

This disc brake lock has a hardened solid steel body and features a 14mm (9/16") double locking shackle for superior pry and cut resistance. The vinyl coating on body and shackle prevent scratches. Lock has a 45mm (1 3/4") wide and deep throat, the housing features a 7-Pin cylinder for extreme pick resistance. This construction is stronger than most other disc brake locks and prevents for roll-away theft. Please do not forget to remove it before trying to ride away.

738008 Master Lock

CABLE GUIDE BRACKET

Chrome plated bracket, used as a bungee cord tie-down (bolted to rear fender bolt) or as a cable guide. 10 Pack (OEM 38623-68).

090067 Cable guide bracket

TIE DOWN FITTING KIT

These tie down fittings lock into the floor mounted anchor plate thus providing secure attachment of the tie down straps. Easy to install and easy to remove when not in use. Excellent for the use in vans, trailers and the back of pick-ups. Each kit includes lock ring, anchor plate and hardware.

236299 Tie Down Fitting Kit

CHROME BUNGEE NUTS

Made of high-grade carbon steel, then chrome plated. Bungee nuts can work as tie-down knob or an excellent spring anchor and can be used to replace shock absorber nuts. Sold in pairs.

345160 Bungee nuts 5/16"-18 UNC
345161 Bungee nuts 3/8"-24 UNF (OEM 98184-90T)
345162 Bungee nuts 3/8"-16 UNC (OEM 98185-90T)

RATCHET TIE-DOWNS

These ratchet operated tie-downs provide a reliable way to secure your bike in truck, van or trailer or on the lift in your work-shop. Made by Master Lock using their high tensile strength Monster Weave™ strapping and featuring Razor Coat™ ratchet grip with a PVC coated handle. Straps are 4.25 meter (14 feet) long and have a tensile strength of 450 kg. All metal parts have a high corrosion resistant silver colored coating. Sold in sets of 2.

738012 Master Lock ratchet motor-cycle tie-downs, pair

MASTER LOCK TIE DOWNS WITH RETENTION HOOKS

Set of four, 180cm long tie downs with heavy-duty locking cam mechanism and spring loaded retention hooks. Locking mechanism has a protectant finish that offers a rich appearance and 3x more corrosion resistance. The S-hooks with retention clips aid installation, the over-molded grips protect and aid operation. Use all four to tie your bike down on a trailer, in a van or to secure it to your motorcycle lift when working on your bike.

738017 Set of 4 tie downs with retention hooks

EXTRA HEAVY DUTY RATCHET TIE-DOWNS

These ratchet operated tie-downs provide a reliable way to secure your bike in truck, van or trailer or on the lift in your workshop. Made by Master Lock using their high tensile strength Monster Weave™ strapping and featuring Razor Coat™ ratchet grip with a PVC coated handle. Strap is 4.50 meter (15 feet) long and has a tensile strength of 2500 kg. All metal parts have a high corrosion resistant silver colored coating. Sold each.

738014 Master Lock Extra Heavy Duty ratchet motorcycle tie-down

"THEFT KILLER" BY MASTER LOCK

American made fully adjustable cable lock that always adjusts for a perfect fit. The patented 3-position cinch tight locking mechanism allows you to adjust the cable length from as little as 30cm (1 foot) to as big as 180cm (6 feet). The 10mm thick braided steel cable is made tough to resist cutting or snapping. Longer cables in 3.60 meter (12 feet) or 9 meter (27 feet) are separately available and can be used with the "Theft Killer" lock. Ideal for locking downs your helmet and leathers.

738001 "Theft Killer" locks with 180cm braided steel cable
738052 3.60 meter (12 feet) cable without lock
738053 9 meter (27 feet) cable without lock

MASTER LOCK BRAIDED STEEL CABLE WITH U-BAR LOCK

A 150cm (59") long, 20mm (over 3/4") thick braided steel cable with a protectant vinyl coating to prevent for scratching. Comes complete with a strong mini U-bar lock and 4 keys.

738050 Braided steel cable with U-bar lock

MASTER LOCK CHAIN LOCK

A 120cm (47") long chain made from 11mm (almost 7/16") hardened steel links, covered with a tough woven material to prevent for scratching your paint job. Comes complete with a 67mm wide (2 5/8") "Pro-Series" Master Lock with a solid iron shackle shroud that resists harsh physical attacks, a wide laminated steel body for superior strength, a dual ball bearing locking mechanism that resists pulling and prying and 4 keys.

738051 Master Lock chain with lock

NEW

MASTERLOCK CHAIN LOCK

Hardened steel chain with a black nylon protective sleeve and integrated key lock with a disc style key that provides a high resistance against picking. Chain is 2 meter long and has 10 mm thick shackles.

738054 MasterLock chain lock

"JACK ASS" FLEXIBLE STEEL LOCK

American made hardened steel lock, looks like a cable but is in fact made of hardened cylindrical links that make the lock stronger and more flexible as an ordinary cable lock. The lock is 2 meters (6 feet) long and features a thick vinyl coat to protect against scratches.

738002 "Jack Ass" Flexible steel lock

U-BAR SHACKLE LOCK BY MASTER LOCK

This American made U-bar shackle lock provides maximum security. The special steel alloy shackle resists strong attacks. Features vinyl coated U-bar and lock housing to prevent for scratches. The double locking shackle has a throat of 88mm (3 1/3") and is 300mm (11 3/4") long and withstands over 8 Tons, the 10-disc anti-drill and anti-pick security cylinder comes with reversible keys for easy locking. Lock features a Lifetime warrantee.

738003 Master U-Bar shackle lock

PINGEL® PERMANENT WHEEL CHOCK

The Pingel® wheel chocks are also available with drilled mounting holes. They mount permanently on the floor of your truck or trailer. The wheel chock is made from heavy duty thick wall steel construction and includes mounting hardware for easy installation. Available in 2 dimensions. These wheel chocks are a trademark of Pingel Enterprises Inc. and are made in the USA.

236346 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires

236348 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (150/160mm)

PINGEL REMOVABLE WHEEL CHOCK

The Pingel wheel chock secures a motorcycle in your van, truck or trailer, and features a quick and easy removal. The wheel chock is made from heavy duty thick wall steel construction and includes a near-flush floor mounting hardware for easy installation and removal. The wheel chocks are available in 2 dimensions: 3 1/2" and 6 1/2" wide. Extra wheel chock mounting hardware is separately available to enable the location of the wheel chock in alternate locations. There is also a mounting plate available that will take 3 1/2" or 5 1/2" wide wheel chocks. These wheel chocks are a Trademark of Pingel Enterprises Inc. and made in the USA.

236342 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires (8.5cm)

236344 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (13.5cm to 16.5cm)

236345 Extra wheel Chock mounting hardware (pair)

236349 Wheel chock mounting plate 3 1/2" and 5 1/2"

THE WORKSHOP SCOOTER

Take the load off your feet and back when working on a bike with the Workshop Scooter. Seat has four swivel wheels to allow you to creep around your project, vinyl covered seat, a handy tool tray, and comes bright red painted.

721676 Workshop Scooter

HANDY AIR ASSISTED WORKSHOP LIFT

The Handy AirLift is used in motorcycle workshops around the world. It has a lifting capacity of 1000 Lbs. (453 Kg) and an 80" x24" (203cm x 61cm) deck, making it ideal for working on motorcycles, ATV's, snowmobiles, etc. The Handy lift is made of solid steel and is powered by air. Required air pressure is 100 Psi. (7 bar) and 6.7 CFM (190 liter/minute). Lift provides a safe and comfortable height to work on your bike. Complete the lift with a Cycle Vise to position bikes upright, the fully adjustable 13" Front extension, the Lift Dolly to make it easier to move the lift around your workshop. CE Approved.

741350 Handy Air Lift

Cycle Vise

The essential lift accessory, positions bikes upright.

741349 Cycle Vise

13" Front Extension

If you need to work on a long bike, here's the secret. This Front Extension makes the Handy Lift 13" longer, which adds up to 93" (236cm). Front Extension is 3 3/4" (9.5cm) high, total length is 24" (61cm), and 24 1/2" (62cm) wide.

741352 13" Front Extension

Lift Dolly

The Handy Lift is heavy, so use the Lift Dolly to glide it around your workshop.

741353 Lift Dolly

"AIR FORCE BLASTER" BIKE DRYERS

The Metro Air Force Blaster motorcycle dryers are specifically designed for cleaning and drying motorcycles with dry, filtered air that is about 20-25 degrees above the ambient temperature. The Air Force Blaster is the quickest and most efficient method to dry motorcycles thoroughly and eliminates water spots, it will cut cleaning time by 80%. Five to seven minutes is all it takes to quickly and effectively dry motorcycles. No more water spots or stains, no more leaf blowers, no more compressors, just a lot of more time to ride. The Blaster is completely safe for all paint and chrome finishes. Air Force Blasters are available in three versions a 1.5 HP side kick, a 4.0 HP version for personal use, and a 8.0 HP version for professional use and those who do not want to lose a second drying their bike.

The Metro Blaster SideKick
is a handheld companion to the larger Metro Air Force Blaster. The SideKick is perfect for someone looking for a compact, affordable, effective way of drying a motorcycle quickly. People who already own the Air Force Blaster will find the SideKick is a great substitute when traveling. The Metro Blaster SideKick has all the features that you could ask for in a compact dryer: it is lightweight, portable and convenient.

Features:
- 85CFM (2400L. per minute) Air Volume
- 200 MPH (320 KM/H) air speed
- 1.3 HP Motor
- 8 Amp, 240 Volts, 950 Watt
- 12 feet (3.66 meter) long grounded cord.
- 2 nozzles included

The 4.0 HP version features
- 4.0 Peak Horsepower (29,000 FPM) Motor
- Rugged all Steel Construction
- 10 Foot (4.5 meter) Heavy Duty Hose
- Heavy Duty Neoprene Blower Nozzle
- 5 Piece Attachment Kit

For the 4.0 HP version there is also an accessories package including a wall/table bracket, 10 feet (3 meter) hose extension kit and a carrying case available.

The 8.0 HP AirForce Master Blaster
This Motorcycle Dryer features a total of 8 peak horsepower. Two twin-fan, 4.0 Peak horsepower motors that deliver up to 58,500 feet per minute of clean, filtered, warm airflow. Two switches allow users to set the airflow and temperature at 3 different levels. Use either motor (front or rear) independently or both simultaneously for maximum power. Five different nozzles enable users to position airflow where desired and eliminate water spots.

Features:
- 8 Peak Horsepower Dryer unit on wheels with 12 foot (3.65 meter) cord
- Rugged all Steel Construction
- 10-Foot Heavy Duty Hose
- Heavy Duty Neoprene Blower
- NozzleAir concentrator
- Air streamer tool
- Micro adapter
- Male/male adapter
- 5 Piece Attachment Kit

750669 1.5 HP Air Force Blaster SideKick
750670 4.0 HP Air Force Blaster
750671 8.0 HP Air Force Master Blaster
750672 Accessories kit for 4.0 HP Air Force Blaster including a wall/table bracket and 10 feet (3 meter) hose extension kit

USA MADE ALLEN KEYS AND TORX HEAD DRIVERS

It is not without reason they say, "Good tools are half the job". We offer a complete line of USA made High Quality Allen head and Torx head keys, screw drivers and T-handle drivers made by Eklind, the world leader in manufacturing allen keys and similar. Each kit is manufactured of 8650 alloy steel for years of trouble free use. These professional quality tools are now available at very competitive prices. Since the introduction of the V-Rod, metric sizes have become a must in every Harley workshop too, that's why we now offer these kits in both metric and standard. The best for the custom builder and a must for the professional workshop. Ball end driver offers you an easy fastening in an up to 35 degree angle. Holder kits also available with extra short stubby end.

A) Folding kits

741269 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

741266 Contains Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm

741265 Contains Metric sizes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741268 Contains Torx sizes T6, T7, T8, T9, T10, T15, T20, T25

741267 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40

B) Folding Biker kit

741264 Contains Phillips head screw driver, Flat screw driver and Allen head 4mm, 5mm, 6mm

C) Holder kits, one side with Ball end

741262 Contains black finished Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

742824 Contains bright finished Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

742826 Contains black finished Inch sizes with extra short stubby end;.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741263 Contains black finished Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm,, 8mm, 10mm

742825 Contains bright finished Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

742827 Contains black finished Metric sizes with extra short stubby end; 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741261 Straight Torx on both long and short arms, black finished, contains T10, T15, T20, T25, T27, T30, T40

741260 Short arm has standard Torx tip. The long arm hass a ball tip engineered to drive Torx fasteners at up to a 35 degree angle. Black finished, contains T10, T15, T20, T25, T27, T30, T40

D) Ball end Hex driver in Inch sizes in workshop quality plastic holder

741273 Contains Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

E) Power-T 6" (150mm) long T Bar drivers in workshop quality plastic holder

741270 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741271 Contains Metric sizes 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741272 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40

SONIC EQUIPMENT TOOLS

Sonic is a highly experienced specialist in the development and production of professional hand tools. All Sonic equipment is made from the best materials and feature unique features to make the job easier for the mechanic. Still we can offer these professional quality tools at affordable prices. We currently stock popular metric and SAE (inch) sizes socket bit sets, ratchets, torque wrenches, extensions, open end wrenches and combination wrench sets.

Sonic Wrenches

All Sonic wrenches are manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. They feature double polished heads, are ergonomically shaped and are extremely sturdy, slim and light, to work in tight spaces.

745620 14-piece metric open & ring end combination wrench set in pouch; 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19 & 22mm

745622 26-piece metric open & ring end combination wrench set in pouch; 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 & 32mm

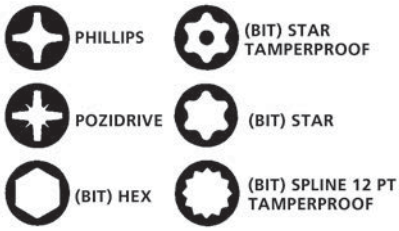
745621 12-piece inch size open & ring end combination wrench set; 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" & 15/16"

745623 8-piece inch size double open wrench set, 1/4"x5/16", 3/8"x7/16", 1/2"x9/16", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1" & 1 1/8"x1 1/4"

Sonic L-Type Keys

Manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. Keys come in a well organized plastic holder.

745628 10-piece metric ball end extra long allen head key set; 1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm



745629 10-piece inch size extra long allen head key set; 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"

745630 9-piece extra long Torx head key set; T10, T15, T20, T25, T27, T30, T40, T45 & T50

Sonic Sockets and Socket Bits

All Sonic sockets and socket bits are manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. They have an ergonomic knurled ring to improve anti-slip and the sockets are extremely sturdy, slim and light, to work in tight spaces. Sockets and socket bits come well organized on an easy click-on and click-off socket strip.

745600 1/4" drive 9-piece 12-point flank inch size socket set; 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2"

745601 1/4" drive 9-piece 12-point flank inch size deep socket set; 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2"

745602 1/4" drive 10-piece socket bit set; PH1, PH2, PZ1, PZ2, flat #3, 4, 5, 6, 7 & 8

745603 1/4" drive 9-piece hex metric socket bit set; 3, 4, 5, 5.5, 6, 7, 8, 9 & 10mm

745604 1/4" drive 7-piece hex inch size socket set; 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

745605 1/4" drive 10-piece Torx socket set; T8, T8H, T10, T10H, T15, T15H, T20, T20H, T25, T25H

745606 3/8" drive 10-piece 12-point flank metric socket set; 8, 10, 12,13, 14, 15, 16, 17 & 19mm

745607 3/8" drive 10-piece 12-point flank metric deep socket set; 8, 10, 12, 13, 14, 15, 16, 17 & 19mm

745608 3/8" drive 8-piece 12-point flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16"

745609 3/8" drive 8-piece 12-point flank inch size deep socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16"

745610 3/8" drive 10-piece hex metric socket bit set; 3, 4, 5, 5.5, 6, 7, 8, 9, 10 & 12mm

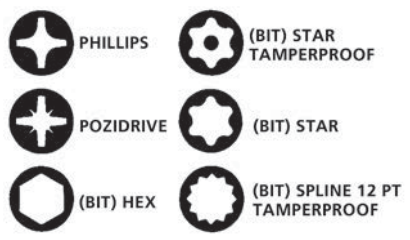
745611 3/8" drive 9-piece hex inch size socket set; 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16" & 1/2"

745612 3/8" drive 10-piece Torx socket bit set; T8, T10, T15, T20, T25, T27, T30, T40, T45 & T50

745613 1/2" drive 12-piece 12-point flank metric socket set; 8, 9, 10, 12, 13, 14, 15, 16, 17 & 19mm

745614 1/2" drive 12-piece 12-point flank metric deep socket set; 8, 9, 10, 12, 13, 14, 15, 16, 17 & 19mm

745615 1/2" drive 15-piece 12-point flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" & 1 1/4"



745617 1/2" drive 10-piece hex metric socket bit set; 4, 5, 5.5, 6, 7, 8, 9, 10, 12 & 14mm

745616 1/2" drive 15-piece 12-point deep flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" & 1 1/4"

745618 1/2" drive 10-piece hex inch size socket bit set; 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" 9/16", & 5/8"

745619 1/2" drive 10-piece Torx socket bit set; T20, T25, T27, T30, T40, T45, T50, T55, T60 & T70

Sonic Spark Plug Sockets
Sonic spark plug sockets have all the great features of the Sonic sockets. They also feature an external hex for when a ratchet can not be used in tight spaces. A rubber insert helps to hold the spark plug.

745626 3/8" drive 16mm spark plug socket, 65mm long

745627 3/8" drive 21mm spark plug socket, 65mm long

Sonic Drive extensions
Manufactured from high grade Chrome Vanadium steel and have an ergonomic knurled ring to improve anti-slip.

745639 1/4" drive 50mm long extension
745640 1/4" drive 150mm long extension
745641 3/8" drive 75mm long extension
745642 3/8" drive 200mm long extension
745643 1/2" drive 125mm long extension
745644 1/2" drive 250mm long extension

Sonic Quick Release ratchets
Feature ergonomic Santoprene thermoplastic handle grips and a 45-teeth ratchet mechanism.

745631 1/4" drive 140mm long ratchet
745632 3/8" drive 195mm long ratchet
745633 1/2" drive 255mm long ratchet

Sonic Disc ratchets
Are great for tight spaces and feature a 72-teeth ratchet mechanism.

745634 1/4" drive Disc Ratchet
745635 3/8" drive Disc Ratchet

Sonic Speedy Twistable T-grips
Most mechanics appreciate the quick-action of a T-grip. Sonic Speedy's are even easier as they feature a twistable grip.

745636 1/4" drive 322mm long
745637 3/8" drive 326mm long
745638 1/2" drive 330mm long

Sonic Torque Wrenches
Feature comfortable thermoplastic handle grips, a clearly visible scale in Nm and ft/lb and a rapid, accurate safe setting action. Left or right ratchet action with quick release system.

745645 1/4" drive 290mm long torque wrench 5-25Nm (3.7-18.4 ft/lb)
745646 3/8" drive 405mm long torque wrench 10-100Nm (7.38-73.8 ft/lb)
745647 1/2" drive 500mm long torque wrench 20-200Nm (14.8-148 ft/lb)

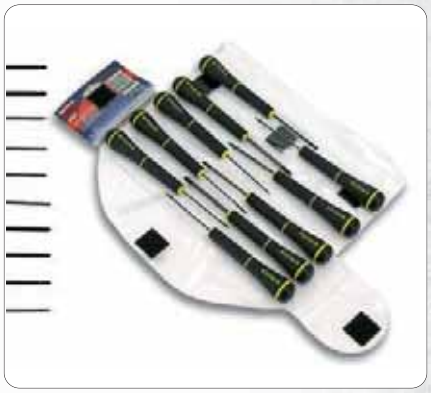
Sonic Oil Drain Pan
Heavy duty oil drain pan for professional replacing of motor oils, cleaning or collecting of other liquids. Features 3 comfortable grips and a no-mess spout.

745624 Oil drain pan; 4.2 US Gallons (15.9 Liter)

NEW

Sonic Magnetic Tray
Powerful magnetic tray featuring a protective rubber back. Securely holds small parts and tools.

745625 Magnetic tray in 4" (15cm) diameter



EKLIND PROFESSIONAL PRECISION SERIES

Eklind Professional Precision Series tools are manufactured with the same high quality standards that has made Eklind Tool Company the leading manufacturer of American made Hex key products. The ergonomic design handle has a big, tapered shape and a rotating end cap to maintain fingertip control. This offers professional comfort and control. End caps are permanently marked for quick and easy identification. Sold in sets.

742820 Set of 10 regular screwdrivers, sizes #000 thru 4.0

742821 Set of 10 Torx screwdrivers, sizes T3 thru T20

742822 Set of 10 hex screwdrivers, sizes .028" thru 5/32"

742823 Set of 8 ball style hex screwdrivers, sizes .050" thru 5/32"

FOLD-UP TORX KEY SETS

Handy, compact fold-up torx key sets, a must to have in your tool roll. Harley uses this type bolt heads for example on the calipers and stators of all late models. Available in 8 key holder.

235598 Torx key set, 8 keys T6-T25

TORX ALLEN KEY FOR CALIPER BOLTS

This "hard to get" size 40 Torx key fits the caliper bolts on all late Harley models (needed when replacing brake pads).

234696 Torx allen key for caliper bolts

INCH SIZES BOX WRENCH SET

This quality, 8 piece, chrome vanadium, box wrench set should be present in every Harley owner's toolbox. Sizes are cut very accurately to fit perfectly. Set contains spanners from 1/4" up to 7/8".

234691 Inch sizes box wrench set

REAR AXLE WRENCH FOR TOURING MODELS

This 36mm ratchet wrench is used to install and remove the rear axle nut on 2002 to present Touring models with 36mm axle nuts. The wrench consists of an extra long ratcheting box wrench with a vinyl grip and a 1/2" square drive for a torque wrench. The low profile 36mm double hexagon flank drive wheel allows access to reach the application without the removal of exhaust. The vinyl drip provides a comfortable ergonomic grip and prevents the wrench from scratching or marring the bike. Also works on 2008 to present Softail and 2006 to present Dyna.

500409 36mm Ratchet wrench

INCH SIZE HEX KEY SETS

Good quality, reasonable priced, hex key sets in inches sizes. Made from heat-treated 8650 Alloy steel with black oxide finished.

234766 Hex key set short, 8 sizes (.050" to 5/32")

FOLDING HEX & TORX COMBINATION SETS BY CRUZTOOLS

CruzTOOLS are American made quality tools. This folding inch size hex and Torx combination set is designed for use on Harley's and is a real utility tool as it contains 5/21", 3/16", 1/4" and 5/16" hex keys as well as T25, T27 and T40 size Torx keys.

236257 Hex/Torx key set

INCH SIZES COMBINATION SPANNER SET (11 PCS)

Made of chrome vanadium steel to exact dimensions, this toolset will enable you to fasten or loosen almost every bolt and nut on your bike. Sizes are: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8". Comes in a handy plastic tool roll with eyes, so it can be easily stashed in your red bag or hung up at the wall. A must for every Harley owner.

234690 11-Piece Spanner set

CRANKSHAFT ROTATING WRENCH

This 24 tooth ratcheting wrench is used to rotate the crankshaft during engine timing or clearance checks on 2006 to present Dyna's, 2007 to present Softails and 2007 to present Touring models. Wrench features a non-slip rubber grip.

500410 Crankshaft rotating wrench

CRUZTOOLS OUTBACK'R H13 & M14 FOLDING TOOL SET

Inspired by outdoorsman-style multi-tools, CruzTOOLS designed this tool specifically for motorcyclists. The Outback'r H13 is a powerhouse of functionality for use on Harley-Davidson motorcycles. Included are three hex keys (5/32", 3/16", and 1/4"), two Torx keys (T25, T27), slotted and Phillips screwdrivers, a socket driver with 3/8", 7/16", and 1/2" sockets, 10mm box and 9/16" open-end wrenches, plus a spoke wrench. The Outback'r for metric bikes features four hex keys, two screwdrivers, a socket driver with 8, 10, and 12mm sockets, 13 and 14mm open-end wrenches, and three spoke wrenches. At only 9 ounces and 3.5 inches, you won't have any trouble finding a spot to carry it. Built to last using heat-treated chrome vanadium and carbon steel.

740301 Outback'r H13 for Harley-Davidson

740303 Outback'r M14 for metric bikes

CRUZTOOLS LARGE ROADSIDE TOOL KIT

A roll-up style pouch with comprehensive content, including 5 different inch size combination wrenches, an adjustable wrench, locking pliers, hex and Torx keys, 6-in-1 screwdriver, two spark plug sockets to handle stock spark plugs on any model, spark plug gap gauge, insulation tape, cable ties, mechanics wire, tire pressure gauge and a shop towel. Pouch is about 9.5" long and 3" in diameter when rolled up.

236255 Roadside Tool Kit

CRUZTOOLS BASIC ROADSIDE TOOL KIT

A zip-up style pouch with essential tools. Contains 5 different inch-size combination wrenches, hex and Torx keys, 6-in-1 screwdriver, spark plug multi tool, tire pressure gauge, mechanics wire, cable ties and a shop towel. Pouch measures 9"x4"x1 1/2" thick and weighs in at under 2 pounds.

236256 Basic tool kit

JIMS ADJUSTABLE TORQUE WRENCH ADAPTER

Torque any fastener with a combination wrench or Allen wrench. This tool fits 6mm (1/4") thru 19mm (3/4") combi-nation wrenches. Also suits 6mm thru 8mm Allen wrenches. Tool is heat-treated steel with black oxide finish. 3/8" square drive is rated for a maximum torque of 90 ft-lbs. (121.5 Nm). Instructions with a conversion table are included.

751081 Adjustable torque wrench adapter

CRUZTOOLS ROADTECH TEARDROP TOOL KIT

Almost the same contents as the Great America Tool Kid, but in a pouch that is designed to fit into a "teardrop" style toolbox. A generous supply of tools and roadside items amazingly uncluttered. There is no need to disrupt the clean lines of your Softail with saddlebags just to carry tools. Kit includes a mini ratchet and sockets, combination wrenches, locking pliers, adjustable wrench, 6 in 1 screwdriver, tire gauge, hex and torx keys, and much more. All tools are mechanic grade and like all other tools from CruzTOOLS it comes with a lifetime warranty.

740296 RoadTech Teardrop tool kit

CRUZTOOLS MINISET COMPACT TOOLKIT

A very complete set built around a 1/4" drive ratchet with precise 48 tooth gearing. CruzTOOLS added a 2" extension and eight sockets, including hex and Torx bits, most commonly used on Harley-Davidsons. Stored in a tough molded box this kit will be your companion on many road trips, as well in the workshop.

740298 Mini Set Compact Toolkit H-D

CRUZTOOLS V-ROD TOOL KIT
The V-Rod is touted as a metric bike, which is not entirely correct. There are still some legacy fractional items, and the Motor Company's beloved torx fasteners are fully evident. CruzTOOLS designed a kit specifically for your V-Rod that is highly capable using their exclusive PowerDrive (tm) wrenches, plus loads of other tools and roadside items-all packaged in a double-panel 600 denier polyester pouch. Contains: 3 combination wrenches, 8" adjustable wrench, locking pliers, 6 hex and 3 torx keys, tire gauge, thread locker, and more.
740305 V-Rod Tool Kit

CRUZTOOLS ROADTECH TOOL KIT FOR H-D
We all have been there, caught in the middle of nowhere looking for that one missing tool to get on the road again. CruzTOOLS claims to have kicked this problem into the past. This very complete kit includes combination wrenches, an adjustable wrench, locking pliers, tire gauge, hex and Torx keys, and a screwdriver. You will also find a mini ratchet and socket set, making this the last tool kit you'll ever need to buy.
740297 RoadTech tool kit

CRUZTOOLS METRIC ECONOKIT M1
Your vehicle may have come with a tool kit, but with the only virtue that it was free. The Econokit M1 allows a major upgrade in both quality and content over OEM kits, yet at a very reasonable price. Four combination wrenches, an eight-inch adjustable wrench, locking pliers, and much more permit a wide range of operations. The pouch shares many of the same design principles as from the CruzTOOLS premium kits.
740302 Metric Econokit M1

"ON THE ROAD" TOOL KIT
This kit was designed as an "on-board" tool kit for all Harley owners. It contains all tools needed for an on the road repair after a break-down. You should not leave home without this kit. The kit contains a 11 piece inch size combination spanner set, 9 piece fold-up hex key set, screwdriver with 5 different slotted and Phillips bits, combination pliers, adjustable wrench and a voltage indicator lamp (6 to 24 volt) all wrapped in a tough easy to take pvc tool roll.
234698 "On-the-road" tool kit

SPECIAL WRENCHES
Special reversible ratcheting wrenches, designed to do a specific job. Feature ergonomic vinyl grips that also prevent from scratching or marring the bike.

500403 Rocker box cover wrench for all 1984 thru 1999 Evolution Big Twins and 1986 to present Evolution Sportsters. Has a 1/4" drive 3/16" hexagon bit. The wrench is low profile to allow clearance between the engine and the frame.

500404 Lower rocker box wrench for 1994 thru 1999 Evolution Sportster and Big Twin. Has a 7/16" socket that protrudes 1" (25mm) to reach the application.

500406 Lower rocker box wrench for 1994 thru 1999 Evolution Sportster and Big Twin. Has a 7/16" socket that protrudes 1 3/8" (35mm) to reach the application.

Continued on next page

500407 Oil pressure switch wrench for 1999 to present Touring models. Can also be used for most other 15/16" oil pressure switches.

500412 Intake manifold wrench for the socket-head cap screws on all 1984 thru 1999 Evolution Big Twins, 1999 to present Twin Cam and 1986 to present Sportster models. Has a 1/4" ball end Allen bit end for flexibility in tight areas.

500405 Exhaust bracket wrench for 1999 to present Dyna models. Features a shortened and replaceable T-17 Torx bit. The low profile design allows for easy access to the exhaust bracket in between the frame and the engine.

500411 Speedometer sending unit wrench for all 1994 to present models. Features a 1/4" drive 3/16" ball end Allen bit. The angled design of the wrench allows easy access to the transmission mounted speedometer sending unit.

40 PIECES TAP AND DIE SET

A handy tool set for cleaning damaged threads. **Not intend for cutting/tapping new threads.** Contains one tap and die in each of the following sizes: 4-40, 6-32, 8-32, 10-32, 10-24, 12-24, 1/4"-20, 1/4"-28, 5/16"-18, 5/16"-24, 3/8"-16, 3/8"-24, 7/16"-20, 7/16"-14, 1-1/2"-20, 1/2"-13 and 1/8"-27 NPT, as well as a T-handle, die handle, screw driver and screw pitch gauge. This all supplied in a handy plastic box.

234755 Tap and Die set

JIM'S SPARK PLUG HOLE THREAD CHASER

Whenever you are in doubt about your spark plug hole thread use this tool to clean up the thread. This double ended, 14mm and 18mm thread chaser easily cleans up spark plug holes and so reduces the chance of cross threading. It is to be used with 13/16" socket.

750315 Thread chaser

40 PIECES METRIC TAP AND DIE SET

A handy tool set for cleaning damaged metric threads. **Not intend for cutting or tapping new threads.** Contains one tap and die in each of the following sizes: M3 x 0.5, M3 x 0.6, M4 x 0.7, M4 x 0.75, M5 x 0.8, M5 x 0.9, M6 x 0.75, M6 x 1, M7 x 0.75, M7 x 1, M8 x 1, M8 x 1.25, M10x 1.25, M10 x 1.50, M12 x 1.5, M12 x 1.75 and 1/8NPT-27TPI, as well as a T-handle, die handle, screw driver and thread pitch gauge. Supplied in a handy plastic box.

741655 Tap & die set, Metric, 40 pcs.

GAUGE-MOUNTED AIR PUMPS

Simple to operate and extremely accurate. These air pumps produce pressure of up to 200 PSI. Ideal for setting the pressure on air forks and air shocks. Pumps have a swivel mounted flexible hose equipped with a no-loss connector that attaches to any standard Schrader valve. The integrated pressure release button allows you to regulate the pressure. Available with a gauge up to 30 psi (2 bar) or 100 psi (6.9 bar).

235438 With 0-30 psi (2 bar) gauge

235459 With 0-100 psi (6.9 bar) gauge

CruzTOOLS

CRUZTOOLS SOCKET BIT SETS

Nowadays motorcycles make widespread use of set and cap screws that require hex (also known as "Allen") and Torx wrenches. Such fasteners are very vulnerable to damage from tools with loose tolerances and/or inferior materials. CruzTOOLS socket bit sets are very comprehensive. These sets are professional tool quality, yet priced to meet any budget. Socket bodies are polished chrome, and bits are made from a heat treated chrome vanadium alloy that exceed ANSI standards. Unlike most socket bit sets found elsewhere, all sockets are 3/8" drive so you only need one ratchet or T-handle for all sizes. A reverse laser imprint provides for easy size identification. To help keep your socket drawer organized, each set ships on a rail with handle. Tools are lifetime guaranteed.

740580 Allen, inch sizes 5/64", 3/32", 9/64", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

740581 Allen, metric sizes 2.5, 3, 4, 5, 6, 8, 10, 12mm

740582 Torx, T10, T15, T20, T25, T27, T30, T40, T45, T50, T55

CRUZTOOLS TIREPRO LEVER SET

Tire levers are forged and heat treated, using carbon steel alloy. Very strong, yet flexible for complete control. Total length measures 240mm (9 1/2"). Sold in sets of 2.

740309 TirePro tire lever set

CRUZTOOLS TIRE PRO TIRE GAUGE

If you ever looked inside the toolbox of a mechanic, you would most likely find a tool like this precision tire pressure gauge. Not only does it provide quick and accurate readings, but also a valve holds the reading and allows bleeding of air until the desired pressure is reached. A 12" long flexible hose with a 40-degree brass chuck permits access to difficult places and every valve stem. The large 2" dial is very easy to read and is accurate over a 0-60 psi range.

740306 Tire Pro Tire gauge

TIRE PRESSURE GAUGE WITH PEAK HOLD

Tired of trying to read your exact tire pressure while the needle starts bouncing up and down, or even drops back to zero as soon as you move your gauge? No longer, this pressure gauge will hold the highest measured pressure until you release the needle.This racing quality instrument is more accurate than most others It features a 60 psi (4 atm) with 0,10 psi increments scale for exact pressure reading. Used by all serious racing teams.

239575 Tire pressure gauge with peak hold

TIRE PRESSURE GAUGE

Accel's Pro-Tire gauge is developed for professional race or high performance street bikes where high quality and accuracy within 2% are mandatory. The large, 4" (10cm) diameter stainless steel case protects the brass bourdon tube mechanism, which insures repeatability. Easy-to-read scale on 0-15 psi (0-1.03 bar) gauges is calibrated in 1/2 lb. increments. The 15" (38cm) long hose is ideal for the biggest custom wheels, and built-in plastic handgrip, air bleed valve, and swivel chuck make it easy to adjust tire pressure quickly. The separately available black rubber cover with molded ribs around the outside of the cover provide excellent protection from accidental drops and bumps at the workshop floor or race track.

797060 Tire gauge 0-15 psi (0-1.03 bar)

TIREPRO DIGITAL TIRE GAUGE

TheTirePro Digital Tire Gauge is ideal for motorcycle and ATV use, with a large display and accuracy over a wide range of pressure levels. Readings are shown to 0.1 psi levels, with bar, Kpa, and Kg-cm2 scales also provided. Reads up to 99 psi. An ergonomic shape fits nicely in your hand.

740308 Digital tire gauge

FAST FILL FUNNELS

These heavy-duty, unbreakable plastic Fast-Fill funnels have a wide mouth. The small version takes 2 Quarts (approx. 1L.), the large version takes 6 Quarts (approx. 3L.). The narrow filler tubes have a built-in brass screen filter. Made by Accel/Mr. Gasket.

797070 Small, 2 Quarts capacity (approx. 1L.)

797069 Large, 6 Quarts capacity (approx. 3L.)

CRUZTOOLS SUPERBRIGHT FLASHLIGHT

Nine LED's provide extremely bright illumination. Power is supplied by three AAA batteries. LED's are very miserly on power, one set of batteries can last for days. Total length measures only 93mm (3 5/8").

740299 Super bright 9 LED Flashlight

TIMING VIEW PLUG

Timing tool for use on all Harley's. Insert into the timing hole when stock plug is removed. Makes adjusting the timing an easy job. When the timing is done, replace the stock plug (OEM 96295-65T).

133017 Timing view Plug

JIMS DENTAL PICK

Everybody knows the problem. Trying to remove an o-ring by using your fingernails and getting no grip on it. This tool makes life easy, the fine tip end is hooked for easy usage, and proves to be useful in many aspects of motorcycle repair work. This precision tool comes with a contoured grip for comfort and is made from 24 series Stainless Steel and hardened to 30-34 Rockwell for durability.

750325 Jims dental pick

'MIGHTY BITE' FLYWHEEL LOCK & DECOMMISSIONED TAG

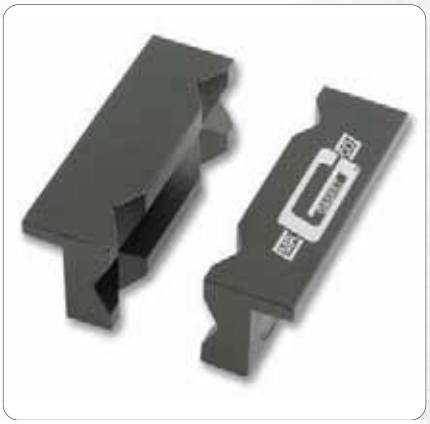
This Jims tool locks the flywheel in place making certain service procedures easier, such as decompression testing. It is also very visible and useful to designate a bike as decommissioned. The bike will not start, and clutch must be engaged in order to move around the shop. Works on all models with a Twin Cam engine and Crank Position Sensor.

751110 Jims Mighty Bite flywheel lock and tag

CRUZTOOLS MAX HOOK SPRING PULLER

We've tried other spring hooks, and they just didn't cut it-either the hook was too flimsy or we couldn't get enough leverage. The MaxHook's T-handle provides plenty of leverage. And instead of welding the hook onto the rod, which can become brittle and break, CruzTOOLS CNC machined it right out of the rod stock, then bent it.

740304 MaxHook Spring Puller



ACCEL VISE SOFT JAWS

This unique tool is designed to make assembling brake hoses much less time consuming and reduce the chance of marking or damaging connectors. Use is not limited to brake line assembly, these jaws also work with many other parts.

797063 Accel vise soft jaws

JIMS REMOTE START BUTTON
This simple remote switch makes it easy to activate the starter and rotate the engine without starting. Comes in handy for tappet adjustments, servicing, and diagnosing starting and electrical issues. Comes with a four foot length, well-insulated lead cable with an alligator clip for starter positive post terminal and motor post negative hookups. Use on all motorcycles with access to starter positive post terminal and motor post negative terminal.
751108 Jims remote start button

JIMS "SOUND-STIK" DIAGNOSTIC TOOL
Jims "Sound-Stik" is a must-have tool for proper and accurate diagnostics of air, vacuum and internal mechanical issues. It uses sound frequency isolation, allowing you to hear sounds at frequencies you normally can not hear. This makes it extremely useful in engine diagnostics and noise isolation. Comes complete with probes and a 9 Volt battery.
751112 Jims Sound-Stik diagnostic tool

JIMS MECHANIC'S STETHOSCOPE
This tool allows you to pinpoint internal engine noise by amplifying vibrations resonating through the metal probe. Simply touch the probe to the engine, and follow the noise to its loudest point.
750337 Mechanic's stethoscope

JIMS CABLE LUBER
This tool is used to inject lubricant into any mechanical cable housing, such as used for throttle, idle, clutch or brake. The tool clamps over your cable housing and inner cable allowing you to connect an aerosol lube can of cable lube to the small opening of this tool. Spray until the lube runs out of the other end of the cable.
751082 Cable luber

JIMS CLUTCH HUB PULLER
This American made Clutch hub puller is used to remove wet and dry clutch hub without removing clutch release rod. A must for Big Twin owners from 1936 thru 1990. This puller comes with 4 bolts (OEM 95960-52C).
235857 Jims Clutch Hub Puller

JIMS VO SCOPE
Through modern technology you now have the ability to look inside most any hole that is just over 6mm (i.e. .245", 6.22mm) Check the cylinder through the spark plug hole, valves and valve seats, see if oil is running down the valve stem, etc… This is a live remote video with the following features: High resolution auto focus, color camera, 2 1/2" (6.4cm) full color viewing monitor. Equipped with a sealed, fluid proof, flexible, 24" (61cm) long 6mm diameter shaft, high output LED illumination with dimming control, a mirror used to see 90 degrees and a magnet for picking up steel parts weighing less then 1/4 lb. (113 grams).
751095 Jims' VO Scope

SURFACE TEMPERATURE INDICATING STRIPS
This product is an innovative tool that will alert you when you've reached 210°F (100°C). At this temp you should cease heating a main shaft, flywheel sprocket shaft, motor, or transmission case. To remove stubborn bearings, races, or gears, just apply heat strip next to the race on the shaft you're heating and watch the strip change color as you reach 210°F. These heat temperature strips come in a 30 piece heat strip pack.
751111 Surface temperature indicating strips

CLUTCH HOLDING TOOL FOR HARLEY BIG TWIN

A must for all clutch repairs, keeps the clutch from turning on all Big Twins 1936 and later (except diaphragm clutch) when removing or installing the clutch hub nut. Constructed for years of dependable service.

132113 Clutch holding tool

JIMS PRIMARY DRIVE LOCKING TOOL

Tool made by Jims from non-marring Delrin to lock front primary chain and motor sprocket. Can be used on all primaries, except 2006 and later Dyna models, 2007 and later FLH/FLT series models and 2007 and later Softail models.

750331 Primary Drive Locking Tool

JIMS PRIMARY CHAIN LOCKING TOOL

Use to lock the clutch hub sprocket to the front engine sprocket to make it easier to remove, install or re-torque engine and clutch nuts on 2006 to present Dyna models and all 2007 to present Twin Cam models.

750700 Primary chain locking tool

INNER PRIMARY COVER BEARING AND SEAL INSTALLER/REMOVER TOOL

Designed to safely remove and install the inner primary bearing, ZPN233823 without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing. Also removes and installs inner primary seal, ZPN231172. Use on all Softails late 1984 thru 2006, FXR 1985 thru 1994, FLT, FLH and Dyna models 1985-2005.

751061 Inner primary cover bearing and seal installer & remover tool

PRIMO CLUTCH HUB PULLER & TOOL FOR PRO-CLUTCH & PRIMO BELT DRIVES

The clutch hub puller is manufactured from billet aluminum for durability. This unique puller attaches directly to the clutch hub studs. Turning the threaded center bolt puts pressure on the transmission main shaft and pulls the clutch hub off. This puller makes Pro-Clutch maintenance easy. The clutch hub tool engages and holds clutch hub splines to allow correct torque specifications to be applied to the clutch hub nut (left-hand thread) when installing a Pro-Clutch or Primo belt drive. Also holds clutch hub for dis-assembling. For use on all Big Twins with Pro Clutch or any Primo diaphragm spring operated primary belt drive system.

700528 Primo clutch hub puller (shown)

700523 Clutch hub tool

STARTER JACKSHAFT SEAL INSTALLER TOOL

This tool is designed to easily align and install the starter jackshaft seal ZPN231239 without distorting or damaging the seal. Use on all Evolution Big Twins 1994 thru 1999, Touring models 1999 thru 2006, Softail 2000 thru 2006 and Dyna models 1999 thru 2005.

751062 Starter jackshaft seal installer tool

CLUTCH HUB & SPROCKET PULLER

For pulling clutches on all Big Twins, including hubs with 10 studs. Eliminates the need to remove kickstart cover when removing clutch hub. Can also be used to pull motor sprocket on Big Twin and Sportster, Sportster transmission sprocket and the rotor assemblies on 1970 to present Big Twins (OEM 95960-41A).

132107 Clutch Hub & Sprocket puller

CLUTCH HUB PULLER FOR "SCORPION" CLUTCH

Barnett Tool & Engineering developed this clutch hub puller to ease removal of their Scorpion clutches on all Harley and Buell models, except on 1971-1983 Ironhead Sportsters. Made from Billet Aluminum. Comes complete with a 7/16" hex bolt, protection cap and six socket head screws. Easy to use and won't damage your main shaft.

722099 Scorpion clutch hub puller

BARNETT CLUTCH TOOL
The clutch removal tool for Big Twin allows removal of clutch pressure plate, springs and spring retainer as one unit. Unique self-centering design, polished and chrome plated.

236473 Clutch removal tool for Big Twin 1941 thru 1984

JIMS NEW DESIGN CLUTCH SPRING COMPRESSOR TOOL
A late model clutch spring tool that is designed around the human hand. It features additional access windows to ease removal and installation of the snap ring on 1990 to present Big Twins. Can also be used on 1991 to present Sportster and Buell models when used in combination with Sportster clutch spring compressor nut (ZPN233155).

235788 Clutch spring compressor tool for Big Twin

233155 Sportster clutch spring compressor nut for use with ZPN235788

JIMS CLUTCH SPRING COMPRESSOR FOR SPORTSTER
American made compressor, to be used for removal and installation of 1971 thru 1984 Sportster clutch parts.

237350 Clutch spring compressor (OEM 97178-71)

JIMS V-ROD CLUTCH HUB LOCKING TOOL
This tool is made to lock the hub assembly. When removing and installing the clutch hub nut this is the proper way. Available for 2002 to present V-Rods

750332 Clutch hub locking tool 2002 thru 2007

751063 Clutch hub locking tool 2008 to present

JIMS V-ROD CLUTCH HUB ALIGNMENT TOOL
This handy tool is useful when working on the clutch basket of the V-Rod. It is designed for alignment of the clutch plates during assembly.

750334 Jims V-Rod clutch hub alignment tool

"TAPER SHAFT" CLUTCH HUB REMOVAL TOOL
Simply mount the tool on the left hand threads of the transmission main shaft, and give the end of the tool a sharp tap with a medium weight hammer and the clutch hub simply "pops" off. Works with all taper shaft clutch hubs.

700542 Clutch hub remover tool

CLUTCH TOOLS FOR DIAPHRAGM CLUTCH
USA made diaphragm clutch spring tools. Makes it easy to remove and re-install clutch retainer ring on Sportster models from 1984 to present and Big Twins 1990 to present.

232570 Fits 1990 to present Big Twins and 1991 to present Sportsters

232571 Fits 1984 thru 1990 Sportsters

DELKRON SPACE-N-TIME TOOL
An easy to use tool that eliminates guess-work and let you spot problems before they happen.

Features:
- Degree wheel
- Cast aluminum cutaway timing cover

Checks:
- Camshaft end play and timing
- Crankshaft end play
- Breather valve end play and timing
- Timing gear lash
- Tappet roller to cam lobe contact
- Lifter blocks to cam alignment
- Pinion shaft run out
- Flywheel timing marks
- Tappet roller travel in guide slots
- Complete instructions included

133024 Space-N-Time tool

JIMS CLUTCH LOCK PLATE
Locks the clutch shell to the clutch hub on 4 Speed Big Twin models from 1941 thru 1984 when removing or installing the clutch hub nut.

239478 Lock plate

TOP DEAD CENTER INDICATOR
Top dead center indicators are fitted in the spark plug hole and to be used in conjunction with a degree wheel to accurately locate absolute top dead center. Available to work with either 12mm or 14mm spark plug, degree wheel not included.

721860 Top dead center indicator, 12mm

721861 Top dead center indicator, 14mm

TWIN CAM ENGINE AND TRANSMISSION PLUG KIT
A handy kit for engine and transmission rebuilders. No more hunting for rags to close the intake or plugs for speedo sensor, tappet bores, oil passages, spigot holes and so on, as this plug kit contains all plugs for all holes in both the engine and transmission when going through the steps of the rebuilding process. A professional solution for eliminating any destructive things from your assembly such as dirt, dust or miscellaneous hardware. Kit includes enough plugs for one Twin Cam A or B engine and transmission.

751129 Use on any Twin Cam engine and transmission from 1999 to present

JIMS FLYWHEEL TRUING TOOL
With this tool JIMS makes it possible to fine tune the flywheel assemblies. It is easy to use and features both flywheel expander and contractor in one tool. Can be used on all tapered shaft flywheel assemblies.

750330 Flywheel truing tool

S&S ENGINE STANDS
Perfect for engine repair or as a show stand. These powder coated steel stands feature laser-cut S&S logos. Available for use with both OEM and aftermarket engines and engine cases from 1936 to present.

750876 For use with single cam Big Twin 1936 thru 1999, S&S P-series, S&S SH series and S&S V-series

750877 For use with Twin-Cam "A" 1999 thru 2006 (except 2006 Dyna) and S&S T-series

750878 For use with Twin Cam "B" (Balanced) 2000 thru 2006

750875 For use with S&S X-Wedge

PINGEL® Since 1967

CRANKSHAFT TRUING STAND

Renewed design truing stand for all Harley-Davidson motors. The best value for money. This LOW PRICED truing stand features: 10" right hand swing, 6" left hand swing and a full 18" center to center capacity. Full 49 kg weight. Unit is complete with Harley-Davidson type beam indicators, accurate to .002 inches. Usable for all Big Twin and Sportster cranks (OEM 96650-30).

131100 Crankshaft Truing Stand

SPORTSTER ENGINE STAND

Can be used for engine repair but also as a show stand for all Sportsters 1957 to present. Rugged steel construction with a strong painted finish.

723120 Sportster engine stand

JIMS IN-LINE SPARK TESTER

This tool is designed to give you a quick easy visual check of the ignition system. Quickly diagnose an ignition system with this in-line tester. Works on all ignition systems including distributorless ignitions.

751106 Jims In-Line spark tester
751107 Replacement bulb

JIMS COMPLETE MODULAR ENGINE & TRANSMISSION STAND KIT

This kit provides a solid and versatile work center for a variety of engine types. With this kit an engine builder can freely position complete engines and transmissions into the most optimum working position. The base stand allows 360 degrees of rotation while the modular cradles swivel and lock in 180, 90, and 45 degree angles. The base easily bolts to a workbench, and comes ready to use with all hardware included. Each piece is constructed from high quality steel. Available as a complete kit that works with all Big Twin, Twin Cam and Sportster engine cases ass well as all 5 Speed transmissions. All parts are also sold individually. A transmission stand for 2006 to present Dyna 6 speed tranmissions is not included in the kit but must be ordered separately.

741919 Complete Engine & Transmission Stand kit

Kit includes:

741913 Base stand
741916 "Taller" Single Cam Big Twin Cradle
741915 Twin Cam "A" Cradle
741917 Sportster and Buell Cradle
741914 Twin Cam "B" Cradle
741918 Cradle for OEM style 5 speed Big Twin and aftermarket 6 Speed transmission housings

Optional:

750704 Transmission stand for 2006 to present Dyna and 2007 to present FLH/FLT series models

NEW

JIMS HARDWARE ORGANIZERS

These patent pending Jims hardware organizers will guarantee that all hardware is organized during power train teardown, storage, and final assembly. They are great time savers as there are specific stands for top end, cam chest, transmission, and primary. When combined, they all nest within each other taking up very little space and easily fit in a deep drawer of a tool box. When preparing for final assembly, the stands can be turned on their side for easy Loctite preparation. The surface is powder coated in Jims durable blue and includes silkscreened hardware position artwork and, best of all torque specifications.

751118 Cam chest hardware organizer for cam cover, cam support and tappet cover hardware of all 1999 to present Twin Cam
751119 Primary hardware organizer for inner and outer primary cover hardware on all 1980 thru 1999 Big Twins and 1999 to present Twin Cam
751120 Top end hardware organizer for top end and rocker cover on 1999 to present Twin Cam
751121 Transmission hardware organizer for transmission hardware on 2006 Dyna and all 2007 to present Twin Cam
751122 Complete kit, contains one of each hardware organizers listed above

SPARK PLUG INDEX TOOL

Designed for 12mm spark plugs, this index tool allows the serious performance engine builder to specify the location of the ground electrode in order to generate the maximum flame front. This is achieved by using different thickness spark plug washers. The tool is knurled for hand held uses or can be mounted in a vise on the machined flats. Has labeled increments for aligning ground electrode.

151068 Spark Plug Indexer

ACCEL SPARK PLUG GAPPING PLIERS

A specially made set of pliers that accurately and consistently gaps sparkplugs with the outer electrode perfectly perpendicular to the center electrode every time. The only quick and effective way to make absolutely sure all of your plugs are gapped exactly the same, without breaking the porcelain of damage the electrodes. Pliers have no-slip rubber grip handles. Heavy-duty construction suitable for professional mechanic use. Will work on most single electrode automotive type sparkplugs.

797067 Accel spark plug gapping pliers

MIKUNI HSR EASY TOOL KIT

The Mikuni HSR Easy Tool Kit includes all the important tools to perform basic jetting and maintenance on Mikuni's HSR 42, HSR 45 and HSR 48 carburetors. The kit includes a 17mm x 11/16" wrench to loosen and tighten the choke nut and drain plug, a Hex Wrench for adjusting the throttle setting and a main jet T-wrench handle with a slip-in Phillips and flat head combination screwdriver blade and a slip-in hex wrench for easy needle adjustment.

741714 Mikuni HSR carburetor Easy Tool Kit

SPARK PLUG INDEXER & WASHERS

Designed for 14mm spark plugs, this index tool allows the serious performance engine builder to specify the location of the ground electrode for maximum flame front generation by using different thickness spark plug washers. The tool is knurled for hand held use or can be mounted in a vise on the machined flats. Constructed of billet aluminum with a gold anodized finish and labeled increments for aligning ground electrode. Made in the USA.

231948 Spark Plug Indexer
231950 30 Assorted Washers 14mm

S&S MAIN JET TOOL

This tool makes it easy to change main jet in S&S GAL, GBL, MGAL, MGL, Super B, Super E and all two-throat carburetors. A must for every professional workshop.

750264 Main jet tool for changing series #72 main jets

JIMS SPROCKET SHAFT HARD CAP

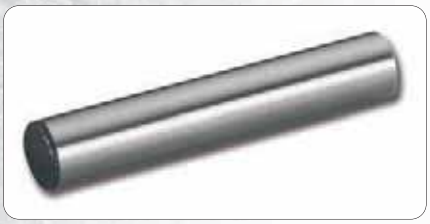
This hard cap protects the sprocket shaft when working on the engine, must be used when working with our crank assembly removing tool (ZPN237337). Works with all 1955 to present Big Twin models.

233200 Hard end cap

CRANK ASSEMBLY REMOVING TOOL

This tool is a must for any workshop, it presses flywheels from the cases without using a hammer or the need for a big hydraulic press. Just bolt it to your case and use a wrench. Will also press cases apart and break sealant bond. Fits 1955 to present Big Twins. Works on all Panhead, Shovelhead and Evolution Big Twins 1955 thru 1999, 1999 thru 2005 Twin Cam Dyna, 1999 thru 2006 Twin Cam Touring and 2000 thru 2006 Twin Cam Softail. On Twin Cam Softail this tool can only be used for removing the flywheel from the left case.

237337 Crank assembly removing tool



JIMS ROD ALIGNMENT TOOL

A handy tool for easy checking of rod straightness without removing rods from the case. Available for use on Big Twin and Sportster motors to present or Twin Cam models 1999 to present.

235799 Fits Big Twin & Sportster models
741910 Fits Twin Cam models

S&S CONNECTING ROD ALIGNMENT TOOL

This pin is used to check connecting rod alignment after rods have been installed in flywheels and lower end is assembled. Pin is 4 1/2" long and .7920" to .7923" in diameter and hardened to R.C. 45 to 50. Can be used on all Sportster and Big Twin models to present.

750031 Connecting rod Alignment Tool

PUSH ROD LENGTH MEASUREMENT TOOL

This tool will help you to determine the correct length of each push rod, thus help you to achieve the correct valve train geometry. The valve train geometry must be checked whenever you have built a High Performance engine and new push-rods, cams or valves are used.

238957 Push rod length measurement tool

NEW

JIMS PUSHROD COVER CLIP INSTALL AND REMOVAL TOOL

Why would I need this tool when I have been installing and removing pushrod covers for years with just a screw driver? Made from black delrin, this tool will NOT mar or slip and will install the clip professionally, with just one hand, in seconds! It's a luxury tool that you will appreciate for years to come. Works on all Harley models with clips on the pushrods.

751126 Jims Pushrod cover clip tool

JIMS DRILL TOOL FOR CAM BUSHINGS

Special tool for installing and drilling dowel pin hole in cam bushing to the factory location. Tool is supplied with drill number 31.

235798 Big Twin 1970 thru 1999, except Twin Cam

JIMS PINION BUSHING DRILL TOOL FOR BIG TWIN

Special tool for installing and drilling dowel pin hole in the pinion bushing to factory location on Big Twin motors from 1954 thru 1992. Tool is supplied with drill number #31.

235797 For use on 1954 thru 1992 Big Twins

ROCKER ARM BUSHING & ROLLER BEARING PULLER

Use to pull out the rocker arm bushing or roller bearing on 1957 to present Sportsters and 1966 to present Big Twins (OEM 95760-57).

237339 Rocker arm bushing & roller bearing puller

JIMS PINION BUSHING PULLER

Use to remove pinion bushing from cam cover in one easy operation on all Big Twin models from 1954 thru 1999, except Twin Cam.

237346 Jims pinion bushing puller

JIMS CAM BEARING PULLER FOR BIG TWIN

For removing the inner cam bearing from a 1958 thru 1999 Big Twin case set without splitting the cases, it also prevents the rollers from falling out while removing.

235787 Jims Cam bearing puller for Big Twin

CRANE TUNE-A-CAM KIT

It's quick and easy to degree your camshaft for maximum performance with this unique kit. The kit is complete with a large easy-to-read degree wheel, dial indicator TDC locator, lightweight checking springs, and it is packed in a high impact plastic case. You can also use the kit to check camshaft end play, shaft and gear run-out and many more useful things. Degree wheel and piston stops are separately available.

231346 Tune-A-Cam kit complete
231362 Degree wheel only
231464 TDC Piston stop for 12mm spark plug hole
231363 Replacement TDC Piston stop for 14mm spark plug hole

CRANE CAM INSTALLATION TOOL

The tool comes with easy instructions to install adjustable pushrods without removing the gas tank or rocker covers. This tool also makes it possible to change the cam on FL/FX engines with adjustable pushrods without removing the pushrods, pushrod covers, tappets and tappet guides.

231315 Crane Cam Installation tool

JIMS INNER CAM BEARING REMOVER TOOL

This tool allows you to easily remove the inner cam bearing on Twin Cam models with roller chain driven cams, such as 2006 to present Dyna's and all 2007 to present models.

750696 Inner cam bearing tool

CAM BEARING INSTALL TOOL

This tool makes it possible to install the cam needle bearing without damaging the bearing on all Big Twin models 1958 to present.

237351 Bearing install tool

SPORTSTER CAM BEARING PULLER

Remove the inner cam bearing on your 1957 thru 1990 Sportster without splitting the cases. This tool easily pulls the bearing from the case, and it also keeps the rollers from coming out during removal. Works on all 4 Speed Sportster models 1957 thru 1990.

237338 Sportster cam bearing puller

SPROCKET SHAFT BEARING INSTALLING TOOL

For use on Big Twin engines from 1955 to present to install crank shaft assembly into crank case Timken bearing (OEM 97225-55) (use with OEM 39361-69 to install oil seal on 1969 to present Big Twins).For use on Big Twin engines from 1955 to present to install crank shaft assembly into crank case Timken bearing (OEM 97225-55) (use with OEM 39361-69 to install oil seal on 1969 to present Big Twins).

235810 Sprocket shaft bearing installing tool

JIMS SPROCKET SHAFT SEAL INSTALL TOOL

Made to press the oil seal over the sprocket shaft into Big Twin crankcases from 1969 to present. Must be used in combination with sprocket shaft bearing installation tool (ZPN235810).

233199 Sprocket shaft seal install tool

JIMS ALTERNATOR ROTOR REMOVAL AND INSTALLATION TOOL

This tool is a must when you have to remove or install the alternator rotor of a 45 Amp. charging system as used on all FLH and FLT models 1997 to present. This tool will protect the threads on the sprocket shaft from damage while pulling the rotor free from its magnetic hold.

741911 Removal & Installation tool

TAPPET BLOCK CLEARANCING CUTTER

Made by Jims in the USA, this tool is used to clearance tappet blocks for high-lift cams. Tool will remove only the material needed to allow the tappet roller to clear the tappet block. Professional results in a manner of minutes. Can be used with 1984 thru 1999 Evolution Big Twins and 1986 thru 1990 Sportster engines, including aftermarket and S&S engines.

750323 Tappet block clearancing cutter

SINGLE CAM RELIEF TOOL FOR BIG TWIN ENGINES BY ZIPPER'S

The ultimate tool when installing High lift cams in Big Twin motors. With this cutting tool you can provide clearance for the cam's rear intake lobe by removing material from the engine case, a necessity when installing almost any aftermarket cam. It provides an easy and professional way to machine the engine case, even with the engine installed in the frame. It may also be used when assembling an engine from scratch, thereby eliminating the need to set-up the case half on a milling machine.

232057 Cam relief tool
232089 Cam tool cutter bit

JIMS CAM RELIEF TOOL

If you want to use larger than stock or high lift cams you will have to take out some case material. To do this properly you need a cam relief tool. There are 3 versions each for a different engine type. The Twin Cam version is available in single or dual spindle. The dual spindel will safe set up time. Simply mount this tool and slowly turn in the threaded body as you power through a standard drill with 1/2" chuck.

750317 Single spindle Twin Cam cam relief tool

750318 Dual spindle Twin Cam cam relief tool

750319 Cam relief tool for Evolution Big Twin style engines

750320 Cam relief tool for 1991 to present Sportster and 1995 to present Buell

JIMS PINION GEAR PULLER FOR BIG TWIN & SPORTSTER MODELS

Precision machined tool, used to remove pinion gear of all Big Twin and Sportster models. This tool also installs the pinion gear on 1951 thru 1955 Big Twin and all Sportster models, collar included.

237349 Pinion gear puller (OEM 96830-51)

CAM GEAR REMOVER

Use to safely remove the cam gear from the camshaft on all single cam Big Twin models 1939 thru 1999. This precision tool acts as a stable base keeping the camshaft perfectly straight for easy removal. A 3/8" ball bearing is included to protect the camshaft's end while pressing off the gear. To accurately install the cam gear use ZPN721540 Cam Gear Alignment tool.

741904 Cam gear remover

JIMS PINION GEAR LOCK TOOL

Use to lock pinion gear, necessary to torque the pinion nut. Tool is simple to use, just align under-neath gear and screw into case. Use ZPN234994 to tighten pinion nut.

239475 Jims pinion gear lock tool

JIMS CAM GEAR ALIGNMENT TOOL

Another high precision tool from Jims. Designed to index the cam gear's position while removing or installing the cam gear on cam shafts used in 1970 thru 1999 single cam Big Twins. When the cam gear is removed, the gear can be repositioned to another camshaft in exactly the same spot. It is also possible to press the gear on in the advanced or retarded position. Easy to use, time saving and accurate. Use ZPN741904 to remove.

721540 Cam gear alignment tool 1970 thru 1999 single cam Big Twins

CAM COVER HOLDING TOOL

This handy fixture is easily mounted in a vise, and is used when installing or removing the cam cover bushings on Shovelhead and Evolution Big Twins 1970 thru 1999. It holds the cam cover in a flat position and keeps it from being scratched (not Twin Cam).

721539 Cam cover holding tool for Big Twin 1970 thru 1999

JIMS INNER CAM BEARING INSTALLATION TOOL

This tool installs the inner cam bearing to the proper depth. Can be used on all Big Twin engines from 1958 to present.

239476 Jims inner cam bearing installation tool

JIMS CAM SEAL REMOVER AND INSTALLER TOOL

This tool is the first on the market to remove and install the cam seal on 1970 thru 1984 Shovelhead and 1984 thru 1999 Evolution Big Twins without removing the cam cover. Tool can also be used to remove the cam cover from the crankcase. Does NOT work on Twin Cam models.

235994 Cam seal remover & installer tool

JIMS CAM BEARING & BUSHING ALIGNMENT TOOL

Use to check the alignment of the cam bearing to the cam cover bushing to well within .0003" of center line. Any binding of this tool indicates misalignment of cam cover, and or bushing. A must for engine builders. Use on Big Twins from 1970 thru 1999.

239481 Bearing & Bushing Alignment tool

JIMS ROCKER ARM BUSHING INSTALLER

Use this tool to install rocker arm bushings in rocker arms with or without press. This tool will install each bushing to the correct depth for the best oil control. Use the puller ZPN237339 for removing bushings, and ream to size with the line reamer ZPN235794. This rocker arm bushing tool works on Big Twin models from 1966 to present and Sportster models 1957 to present.

235825 Rocker arm bushing installer

ROCKER BUSHING REAMER TOOL

American made tool to ream newly installed rocker bushings in line with each other. For use on 1966 to present Big Twin rocker arms and 1957 to present Sportster rocker arms (OEM 94804-57).

235794 Rocker bushing reamer tool

JIMS LINE REAMER TOOL FOR BIG TWIN CAM BUSHINGS

High quality tool to line ream the cam cover bushing of Big Twin models from 1970 to present.

235795 Jims line reamer tool for big twin cam bushings

JIMS VALVE SPRING COMPRESSOR TOOL

American made valve spring tool necessary for removing or installing valves. Works on all overhead valve 1936 to present Big Twin models, including Twin Cam and 1986 to present Evolution Sportster models 1986 to present. Must be used in conjunction with the optional collar on 2005 to present Twin Cam models and 2004 to present Sportster & Buell models.

235849 Jims valve spring compressor tool (OEM 96600-36B)

750691 Optional collar for use on 2005 to present Twin Cam models and 2004 to present Sportster & Buell models

JIMS VALVE SEAT LAPPING TOOL

Use this tool to perform the final profile lapping of the valve seat. The suction cups affix to either dished or flat, and small or large valve faces. The comfortably shaped handle is ideal for quick and smooth rotations.

750316 Valve seat lapping tool

ACCEL ENGINE PORT POLISHING KIT

This kit is designed for use on cast iron and aluminum components. It allows you to do your own detailed porting, polishing, and removal of flashing on all engine parts with the use of an electric drill. The kit contains one tapered cutting stone, one 1" (25.4mm) diameter mini grind-flex flat wheel, 31 assorted sizes grind-polishing rolls, and three various length mandrels.

797068 Accel engine port and polish kit

JIMS MINI VALVE SPRING TESTER

Jims makes these testers in a hex design for more versatile handling and applications. Can be used in a vise, arbor, or drill press. Cylinder body and piston are manufactured from 2024 aluminum and a steel perch to provide years of service. Includes instructions. Protective rubber gauge boot reduces shock to gauge during handling and use. Scale runs from 0-600 PSI.

751093 Jims mini valve spring tester

JIMS COMPRESSION RELEASE VALVE TOOL KIT

For proper installation of compression release valves ZPN750300 or ZPN741345 in Twin Cam cylinder heads, this tool kit is strongly recommended. It will guide you in drilling the right holes (depth/diameter) in the right position. Kit comes including instruction sheet.

750314 Compression release valve tool kit

JIMS VALVE GUIDE DRIVER TOOL SET

Valve guide tool set for simple removal and installation of valve guides. Made from outstanding materials to insure a life time use.

235893 Jims valve guide driver tool set

VALVE GUIDE AND SEAL TOOL FOR EVOLUTION ENGINES

Time saving, American made, tools for proper installation of shoulderless valve guides and valve guide seals in Evolution Big Twin 1984 thru 1999, Twin Cam 1999 thru 2004 and Evolution Sportster 1986 thru 2003. The tool handle is used to remove the shoulderless guides as well a driver for both valve guide and valve guide seal tool.

235790 Valve guide drive tool
235791 Valve guide mounting tool (Use with ZPN235790)
235792 Valve guide seal mounting tool (Use with ZPN235790)

VALVE GUIDE DRIVERS FOR LATE EVOLUTION SPORTSTER & TWIN CAM

Made by Rowe USA tools for proper installation of the 7mm valve stem size valve guides in 2005 to present Twin Cam and 2004 to present Evolution Sportster.

721031 Valve guide drive tool

JIMS SOLID CARBIDE VALVE GUIDE REAMERS

These unique reamers feature a 2" long pilot for perfect alignment with the valve guide while reaming. With these reamers you can expect to ream a valve guide to exact dimensions without any taper in just a few seconds. The solid carbide reamers are available in 7 different diameters.

750304 .3110" (7.90mm)
750305 .3115" (7.91mm)
750306 .3120" (7.92mm)
750307 .3410" (8.32mm)
750308 .3772" (9.58mm)
750309 .3777" (9.59mm)
750310 .3782" (9.61mm)

VALVE SEAL INSTALLATION TOOL

231393 Installation tool for Sportster 1957 thru 1985 and Big Twin 1980 thru 1984 (white)
231394 Valve seal installation tool Big Twin 1948 thru 1980 and Evolution powered Big Twin 1984 thru 1999, Twin Cam 1999-2004 and Sportster 1984-2003 (black)

VALVE GUIDE MACHINING TOOL

Order a cutter body and cutter body pilot for your application to machine oil seal seats or to shorten valve guides. Works on valve guides that are already installed in the cylinder head.

Cutter bodies

231387 For Sportster 1957 thru 1985
231388 For Big Twin late 1979 thru 1984

Cutter body pilots

231391 For Sportster 1957 thru 1985 (intake)
231392 For Sportster 1957 thru 1985 (exhaust)
231390 For Big Twin 1948-1984

KIBBLEWHITE VALVE GUIDE REAMERS

Honing and fitting valve guides is a difficult and time-consuming job. With these Kibblewhite reamers you will ream a valve guide to exact dimension without any taper in 4 to 5 seconds only. Guides will last longer than with the honing method because there is no crosshatch left after reaming. One size allows you to fit both intake & exhaust if you use Kibblewhite valves & guides. These reamers are for Manganese bronze only, do not use with cast iron guides.

756380 .2770"
756381 .3100"
756382 .3110"
756383 .3770"
756384 .3780"

NEW

AV&V SOLID CARBIDE VALVE GUIDE REAMERS

Tired of loosing your time honing and fitting valve guides? Here is why AV&V reamers are now used by the top cylinder head shops in the industry. Designed by AV&V for use with manganese bronze material, these special reamers feature a unique design and a longer pilot for a perfect alignment with the valve guide while reaming. You will ream a valve guide to exact dimension without any taper in 4 to 5 seconds only. Guides will last longer than with the honing method because there is no crosshatch left after reaming. One size allows you to fit both intake & exhaust if you use AV&V valves & guides. **Note:** These reamers are for Manganese bronze only, do not use with cast iron guides.

749033 6mm for V-Rod
749035 7mm for Sportster and Twin Cam (actually 7mm +.001" = .2766")
749036 .3110" for Evolution Sportster, Big Twin and Twin Cam
749037 .3115" for Evolution Sportster, Big Twin and Twin Cam
749038 .3120" for all AV&V valves in Evolution Sportster, Big Twin and Twin Cam
749041 .3777" for Panhead and Shovelhead
749042 .3782" for all AV&V valves in Panhead and Shovelhead

VALVE SPRING SEAT MACHINING TOOLS

Our valve spring seat machining tools are workshop quality with carbide cutting tips. They are used when lowering spring seats for high lift cams. Must be used with a pilot cutter body which must be ordered separately.

For 1948 thru 1984 Big Twins
231339 Spring seat machining tool
231390 Cutter body pilot

For 1984 thru 1999 Evolution Big Twins, 1999 to present Twin Cam models and 1986 to present Evolution Sportsters
231391 Cutter body pilot

JIMS PUSHROD COVER SEAL SEAT CUTTER

Use to correct any misalignment with pushrod cover O-ring seats when pushrod covers refuse to seal. Works with Evolution Big Twins 1984 thru 1999 and Sportster 1986 thru 1990. Instructions included.

750322 Pushrod cover seal seat cutter

TAPPET ADJUSTING GAUGE

A simple quality tool for checking and adjusting hydraulic tappets without removing them. Measures the clearance between the lifter and the pushrod. Works with all Big Twins 1953 thru 1984, except Evolution models (OEM 94438-79).

133019 Tappet adjusting gauge

NEW

JIMS TAPPET ADJUSTMENT TOOL

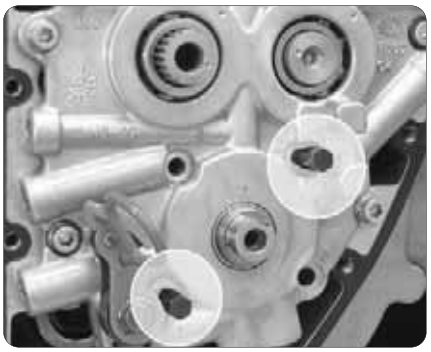
This patent pending hand tool simplifies the way to verify proper tappet adjustment. After adjusting the tappet, simply insert the tip of this tool under the hydraulic unit retaining clip, above the pushrod seat. In fact it is a "Go-or-no-go gauge", if the tip doesn't fit between the clip and the pushrod seat or when there is up and down end play, then the tappet is out of adjustment. Only when the tip fits nicely with no end play then the tappet is adjusted properly. Works on all hydraulic tappets except Jims Hydrosolids or hydraulic tappet with travel limiters installed.

751117 Jims tappet adjustment tool

S&S ROCKER COVER WRENCH SET

This set is helpful in areas where the motorcycle frame may prevent the use of conventional tools. Kit contains 4 wrenches, suitable for most models.

750030 Rocker wrench set



TAPPET BLOCK AND OIL PUMP ALIGNMENT TOOL

Alignment tool to ensure that the tappet tracks on centerline of cam lobe on 1977 to present Big Twins. Must be used whenever one of the tappet blocks is removed. Use two of these alignment tools on 1999 to present Twin Cams to align the oil pump to cam support plate. Helps reduce oil scavenging problems associated with oil pump misalignment. (OEM 33443-84). Available in two versions: Zodiac's economical priced ECO-line or USA made by Jims.

131110 ECO-line alignment tool

235868 Jims USA made alignment tool

COUNTER SPROCKET NUT WRENCH

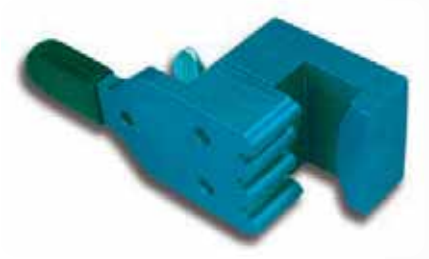
Used to install or remove counter-shaft sprocket nut on all Big Twins from 1936 thru 1984. Zinc plated finish (OEM 94660-37).

131141 Counter sprocket nut wrench

TAPPET GUIDE PULLER FOR SPORTSTER MODELS

Removes press-fit tappet guides from the crankcase after tappet body adjusting screw is removed. Fits Sportster models from 1957 thru 1978 (OEM 95724-57).

235806 Tappet guide puller for sportster models



JIMS BIG TWIN SPROCKET LOCKER

Another great tool available. This Big Twin sprocket locker is for use on belt driven Big Twin models from 1980 to present and is used to lock the final drive sprocket when removing or installing the sprocket nut, use this locker with our lock nut wrench (ZPN235848).

235842 Sprocket locker

JIMS PINION GEAR NUT SOCKET FOR 1954 THRU 1989 BIG TWINS

Use this tool to remove or secure pinion gear nut to pinion gear shaft. Tool has 1/2" drive and can be used with the pinion gear locker tool(ZPN239475) as shown elsewhere in this catalog (OEM 94555-55A).

235780 Pinion gear nut socket

MAIN SHAFT SPROCKET LOCKNUT WRENCH

Extra long two piece design. The inner collar will retain the wrench to the nut for safer service work. Fits 1936 to present Big Twins (1 7/8" hex).

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)

PINION NUT SOCKET TOOL

This tool is used to remove or install the pinion shaft cam gear nut in all Big Twin models from 1955 to present (OEM 94555-55).

234994 Pinion nut socket tool

JIMS PISTON PIN BUSHING REAMER TOOL

These Jims piston pin bushing reamer tools can be used with the rods in or out of the motor. Reamers are easy to use with their specially designed lead in taper at the start of each tool. Will ream the piston pin hole to exact tolerances. Available for single cam Big Twins, and Sportster models.

711283 For use on single cam Big Twins

711284 For use on Sportster models

JIMS FLYWHEEL SOCKETS

Look no further for the best flywheel rebuilding sockets available. Zodiac offers these low-profile flywheel sockets, which are just long enough to give 100% nut to sprocket contact and 100% drive end contact. Machined flat at the nut receiving end to eliminate rounding off the nut and greatly reducing the risk of bodily injury. These sockets are machined from solid steel 4130 chromium-molybdenum and heat treated to give a lifetime of service. Available in various models for use on Big Twin models from 1954 to present and Sportster models from 1981 to present.

236213 For use on Big Twins 1954 thru early 1981, 1 5/16" socket with 1/2" drive

236216 For use on Big Twins 1972 to present, 1 5/8" socket with 3/4" drive

236215 For use on Big Twins late 1981 thru 1989, 1 1/4" socket with 1/2" drive

236214 For use on Big Twins late 1983 to present, 1 1/2" socket with 1/2" drive

236217 For use on Sportsters 1981 to present, 1 3/8" socket with 1/2" drive

JIMS PISTON PIN KEEPER TOOL

This tool helps you to install retaining ring in piston in one easy step without distorting ring. For the safest wrist pin retention possible. Useable for Big Twin 1983 to present, Sportster late 1985 to present and Buell 1987 to present.

233149 Piston pin keeper tool

JIMS PISTON PIN BUSHING TOOL

Use to remove and install wrist pin bushings on all Sportster and single Cam Big Twin models, without removing the rods from the crankcase.

237347 Piston pin brushing tool(OEM 95970-32C)

JIMS PISTON RING GROOVE CLEANER

This tool is specially designed to clean up the compression ring slots. It will remove the carbon build-up easily. The tool includes two cleaning spurs with sizes 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm, 2mm. Can be used on all pistons with 2 3/4" to 5" (70 to 127mm) diameter.

750327 Piston ring groove cleaner

PISTON RING TOOL

This is a simple but time saving tool designed for semi-professional use. Just insert the ring ends in the jaws, then expand gently and slip over piston into groove. Wedge jaws handle piston rings ranging in thickness from 3/64" up to 1/4". Also works to remove piston rings without damage.

500413 Piston ring tool

PISTON RING GRINDER

Economically priced, hand operated grinder that allows accurate, perpendicular custom tailoring of piston ring end gap by rotary filing.

500414 Piston ring grinder

PISTON RING END GAP TOOL

Made by Jims USA this tool makes measuring piston ring end gap faster and more accurate. The flanged design allows the piston ring to fit exactly square into the cylinder bore. Jims claims that this is the first tool that is designed to test the oil ring gaps by a proprietary cutout feature. Just install any ring, top, 2nd or oil control rails on the tool and then into the cylinder bore and view the key slot. Use a feeler gauge to get your end gap measured. Each side of the tool is made for checking standard size piston rings.

751100 Use on standard size Twin Cam pistons with 3.875" or 4.000" bore

751101 Use on standard size Twin Cam pistons with 4.125" or 4.310" bore

JIMS PISTON SUPPORT PLATE

When installing rings and cylinders the support plate is a big help. The plate will give you a firm flat support to push the bottom of the piston against. This will make it much easier to install the rings and cylinder over the piston. No more turn over or damaging the pistons. Can be used on all H-D style engines.

750328 Piston support plate

JIMS WRIST PIN CLIP REMOVER & INSTALLER

Jims developed this tool to easily remove and install wire type wrist pin clips without damage to the piston. Can be used on all 1984 thru 1999 Evolution engines.

750326 Wrist pin clip remover & installer

JIMS SPROCKET SHAFT HOLDER

This tool is used to hold the flywheel assembly in vise, with or without left case attached. Can be used on all Big Twin models from 1955 to present and comes complete with instruction sheet.

234131 Sprocket shaft holder

CRANKCASE BEARING LAPPING TOOL

This crankcase lapping tool aligns left and right main bearing races as well as lapping to size or over-size on all Sportster, Big Twin and 45 CI motor cases. Comes with 1.375", 1.500" and 1.750" diameter lap heads. Replacement 1.750" lap head is also separately available.

234996 Crankcase bearing lapping tool (OEM 96710-40)

235003 Lap head 1.750" (OEM 96718-58)

ROD LAPPING TOOL

American made rod lapping tool for precise lapping of Big Twin, Sportster, K models, 45" and Indian connecting rods. Kit includes arbor assembly as well as 1 1/2" and 1 5/8" lap heads. A must for every engine build shop (OEM 96740-36).

235809 Complete rod lapping tool

235811 Replacement lap head 1 5/8"

JIMS SNAP RING INSTALLER & REMOVER TOOL

Exclusively designed by Jims to make installation and removal of Timken outer race snap rings easy and without damaging the case. A must when working on 1990 to present cases without inserts. This tool can be used on all Big Twin models from 1969 to present and comes with instructions.

233154 Snap ring installer & remover tool

DRILLING JIG OIL PASSAGE

This crankcase oil passage drilling jig is used to perform crankcase drilling modifications when installing an S&S and other late oil pump assembly on early Big Twin crankcases. Made of steel and heat treated file hard for durability, this fixture enables the builder to do four modifications:

- Drill the primary oil supply passage from the breather valve gear cavity to the back side of the oil pump body on late generator and early alternator cases.
- Drill the pressure relief passage from behind the main oil pressure valve to the gear cavity on alternator cases.
- Drill the crankshaft and main bearings supply passage on generator cases.
- Drill the crankshaft and main bearings supply passage on early alternator cases
- This tool is a must for all workshops, engine builders and High Performance shops.

234930 Drilling jig oil passage

JIMS EXHAUST STUD DRILL PLATE

This tool is designed to guide and keep alignment of the drill bit when drilling out broken exhaust studs. A follow up with a tap is all that is needed to clean up threaded hole. This tool can be used with motor in most frames. Will work on Big Twins 1984 to present, Sportster 1986 to present and Buell 1987 to present.

233144 Exhaust stud drill plate

JIMS EXHAUST GASKET INSTALLER TOOL

This Jims Exhaust Gasket Installer will safely install exhaust gasket seal on air cooled Buells, Evolution Sportster, Evolution Big Twin and Twin Cam evenly and square without distorting the seal. Without a proper tool, installing could run the risk of developing an exhaust leak. The tool uses either the two exhaust stud flange nuts from the exhaust system or a JIMS tool handle ZPN235804 to install the seals. Manufactured from high grade 6061 aluminum, and then finished with JIMS blue anodizing.

751084 Exhaust gasket Installer Tool

235804 Race & bearing installation tool

JIMS EXHAUST RETAINING RING TOOL

This patent pending installation tool installs the exhaust pipe retaining ring on almost all exhaust system on air cooled Harleys and Buell's from 1984 to present quickly and easily without scratching the exhaust pipe or twisting the ring.

751116 Jims Exhaust pipe retaining ring tool

JIMS OIL PUMP SEAL INSTALLER

Easily install oil pump seal perfectly below gear surface for a no leak fit. This installer can be used on all aluminum Big Twin pumps.

236218 Jims oil pump seal installer

OXYGEN SENSOR SOCKET TOOL

This tool is used to remove or install the oxygen sensor on all FLH and FLT series Touring models 2006 thru 2009, Softail, Dyna and V-Rod 2006 thru 2011, 2007 to present Sportster and closed loop fuel injected Buell models. Socket has a 3/8" drive receiver or can be used with a 7/8" wrench. Socket will withstand up to 125 lb/ft of torque.

751055 Fits all unheated Fuel Injected Oxygen Sensor equipped models 2006-present

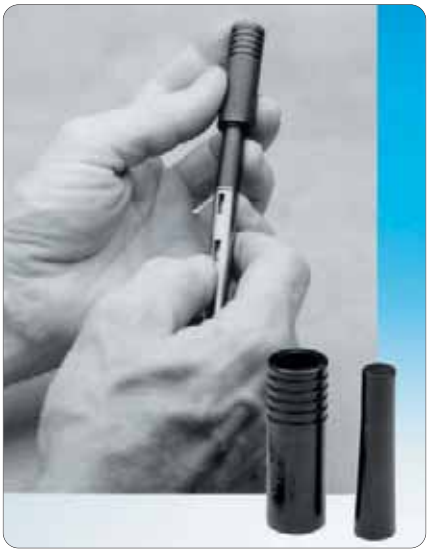
JIMS O2 SENSOR WRENCHES

USA made wrenches to install and remove the M14, 4-wire heated O2 (Oxygen) sensors without taking off the exhaust pipes from the bike.

751123 NEW Works on 2010 to present Touring front and rear pipe. Must be used with a 3/8" drive torque wrench

751104 Works on 2012 to present Dyna front and rear pipe, 2012 to present V-Rod front and rear pipe and 2012 to present Softail front pipe

751105 Works on 2012 to present Softail rear pipe



JIMS OIL PUMP SNAP RING INSTALLER

This tool will help you to easily install the outer snap ring on all Big Twin oil pump shafts, without "over-stretching" the ring. Just apply oil to the ring expander, hold up to the end of the shaft, then push ring onto the shaft with sleeve.

236219 Oil pump snap ring installer

DELKRON CYLINDER TORQUE PLATES

These cylinder torque plates are a must for all shops or mechanics working on aluminum cylinders. Delkron torque plates are made of 4130 steel, machined then hardened to a RC50 and ground to .0005" flatness. By using these cylinder torque plates on aluminum cylinders you are assured of perfect roundness when they are assembled and torqued in the motor. These plates are drilled and tapped for use with Shovelhead and Evolution Big Twin cylinders or Twin Cam cylinders.

232231 Cylinder torque plates, Big Twin 1963-1999

232579 Cylinder torque plates, Twin Cam 1999 to present

ALLEN CYLINDER TORQUE BOLTS FOR EVOLUTION SPORTSTER CYLINDERS

Bolts are a shorter version of the bolts supplied with Delkron's torque plate kit (ZPN232231) and must be used in combination with the torque plates supplied in this kit for precise boring of the aluminum cylinders of the Evolution Sportster.

232232 Allen cylinder torque bolts for Evolution Sportster cylinders

JIMS TAPPET OIL FILTER SCREW PLUG TOOL

How easy can it get. Use this simple tool to remove tappet oil filter screen without removing your exhaust pipes. **Note:** Only works with slotted screw.

236220 Tappet Oil filter screw plug tool

JIMS HEAD HOLDER TOOL

A very handy tool when working on cylinder heads. It holds the head through the spark plug hole and can be clamped in a vise. It has 14mm and 12mm ends to be used on 1948 to present Big Twin models and 1957 to present Sportster models.

239477 Head holder tool

JIMS HEAD BOLT TORQUE GAUGE FOR EVOLUTION ENGINES

This accurate gauge is made by Jims and allows precise measuring of 90° when tightening head bolts on Evolution Big Twin, Evolution Sportster and Buell models. The torquing sequence is lasered on the gauge and it comes with instructions.

233145 Head bolt torque gauge

LEFT CRANKCASE BEARING RACE INSTALLER

Use to install the bearing race in the left crankcase. With this tool you can press in the bearing races straight time after time. Use on Big Twins from 1969 thru 2002 and Sportster models from 1977 thru 2003.

239480 Left crankcase bearing race installer

ROD RACE TOOL

For use on all models connecting rods. Supports both sides of rod, when races are removed or replaced, minimizing the possibility of distortion to female rod or race.

235801 Rod race tool

SPROCKET SHAFT BEARING PULLER FOR SPORTSTER

With this tool you can easily remove the inner Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Use on Sportster engines from 1957 thru 1976.

239479 Sprocket shaft bearing puller

DELKRON MANUFACTURING, INC.

TIMKEN BEARING REMOVER FOR SPORTSTER MODELS

This tool is used to remove the Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Can be used on all Sportster models from 1977 thru 2003 and Buell models from 1987 thru 2003.

233470 Bearing remover

TIMKEN BEARING REMOVER FOR BIG TWIN MODELS 1955 THRU 1985

This tool will remove the sprocket shaft Timken bearing on Big Twin models with a separate sprocket shaft as stock from 1955 thru 1985 and as found in aftermarket flywheels for models from 1955 to present.

235793 Sprocket shaft bearing remover

TIMKEN BEARING REMOVER FOR BIG TWIN MODELS 1986 TO PRESENT

This tool will remove the sprocket shaft Timken bearing on Big Twin models with an integral sprocket shaft as stock from 1986 to present. A specialized tool that does the job better than anything else on the market.

233478 Sprocket shaft bearing remover

JIMS SPROCKET SHAFT BEARING RACE TOOL

Used to remove and install the Timken bearing race in the crankcase. To be used with ZPN237107 Spacer Driver and ZPN235804 Race & Bearing Installation Tool.

721543 Bearing race tool for 1969 thru 1999 Big Twins, including Twin Cam models 1999 thru 2002

721544 Bearing race tool for 1977 thru 2003 Sportster models

237107 Spacer driver tool

235804 Race & bearing installation tool

JIMS TWIN CAM CRANKSHAFT GUIDE

This tool will spread the crankcase pinion bearing rollers while re-assembling the right side engine case on to the flywheel assembly of any Twin Cam model 1999 to present.

720534 Jims Twin Cam crankshaft guide

CAM GEAR SIZE MEASUREMENT PINS

These cam gear size measurement pins have to be used when measuring the sizes of your cam gears. Measurement should be done over the pins (as shown on photo). Installing the right cam gear will reduce noise. Gear size measure-ments (over pins) are listed in the 1990 Harley-Davidson workshop manual using .108" pins instead of .105" pins (as for earlier years).

232604 Cam gear size measurement pins .108" diameter

232605 Cam gear size measurement pins .105" diameter

JIMS OUTER PRIMARY COVER STARTER BEARING REMOVER TOOL

Very user-friendly tool to extract the starter bearing from the outer primary cover. Bearing can easily be removed, even if the cover has been chromed with bearing installed. Works on all Big Twins 1965 thru 1988 that use needle bearing OEM 9063 for the starter shaft. This tool will also remove the countershaft gear bearing (OEM 35961-52) used on Big Twins 1952 thru 1990 as well as 4 speed Sportster clutch gear.

750329 Outer primary cover starter bearing remover tool

SPORTSTER PRIMARY COVER INSPECTION PLUG TOOL

Designed to remove or install the OEM style primary cover clutch adjusters access plug and filler plug without distorting the plug's slot. Works on all 1954 thru 1990 Sportster and on K-models with aluminum primary covers.

741954 Colony XL primary inspection plug tool

TRANSMISSION LAPPING TOOL

This transmission lapping tool insures proper fitting of roller bearing, stock or oversize, with transmission mainshaft races. Will lap races on all Big Twin transmissions.

234997 Complete tool (OEM 96710-77)

234998 Replacement lap head 1.870" (OEM 96710-79)

SHIFT FORK GAUGES

These American made tools are ideal for setting and aligning shifter forks of 1939 thru 1986 4 Speed Big Twin transmissions.

235807 For use with 1939 thru 1978 transmission (OEM 96384-39)

235808 For use with 1979 thru 1986 transmission (OEM 96385-78A)

JIMS 4 SPEED MAINSHAFT KICKSTARTER CLUTCH GEAR PULLER

This tool was designed specifically to remove the starter clutch ratchet gear without damage to the gear or shaft. Used on all kick starter equipped 4 Speed Big Twin models from 1936 thru 1986. Easy to use and will not slip of the gear.

233176 Clutch gear pulley

JIMS MAIN SHAFT BEARING RACE TOOL FOR BIG TWINS

American made tool to install or remove the bearing inner race on the transmission main shaft of late 1984 to present Big Twin models.

235789 Jims main shaft bearing race tool for Big Twins

JIMS BIG TWIN TRANSMISSION STAND

Top quality tool to clamp transmission in a vice. Useable for all 4 Speed transmissions and rubber mount 5 Speed trannies except 1993 to present FLT models.

235983 Transmission Stand 4+5 speed BigTwin

6-SPEED SHIFTER SHAFT SLEEVE REMOVER & INSTALLER TOOL

This tool from Jims allows you to remove and install the shifter shaft sleeve without removing the transmission case from the chassis. It installs the sleeve to the correct depth in the case without error or damage. Works on all Harley Cruise-Drive 6-speed transmissions on 2006 to present Dyna and 2007 to present Softail and Touring models.

751103 Jims shifter shaft sleeve Tool

JIMS TRANSMISSION MAIN DRIVE GEAR WRENCH TOOL FOR 6 SPEED MODELS

Wrench tool to remove the 2 1/4" hex nut that secures the final drive pulley on the end of the main drive gear. Fits OEM 6 speed transmission equipped 2006 Dyna's and all 2007 to present Twin Cam models.

750703 Main drive gear wrench tool

JIMS MAIN DRIVE GEAR BEARING TOOL

Tool to install inner and outer 5th gear bearings to factory depth on Big Twin 5 Speed models 1991 thru 2006, most aftermarket Big Twin 6 Speed transmissions and Sportster and Buell 1991 thru 2005. New bearing depth incorporated, will still work on early depth. Comes with comprehensive instruction sheet.

231461 Main drive gear bearing tool

JIMS CRUISE DRIVE 6-SPEED MAIN DRIVE GEAR REMOVER TOOL

This tool removes the main drive gear from the main bearing correctly while in the transmission case. This eliminates the need of an arbor press and the risk of transmission case damage. Comes complete with instruction sheet-Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751089 Jims main drive gear remover tool for late 6-speed

JIMS MAIN DRIVE GEAR INSTALLER TOOL FOR 6 SPEED

Tool to install main drive gear with the use of simple handle tools into the transmission case on 2006 Dyna and all 2007 to present Twin Cam models with 6 Speed transmission. Works also with the transmission still in the frame.

750695 Main drive gear installer for late 6-speed

JIMS MAIN DRIVE GEAR BEARING & SEAL TOOL FOR 6 SPEED

Tool to install main drive gear bearings and seal with the use of a small 1-ton press on 2006 Dyna and all 2007 to present Twin Cam models with 6 Speed transmission.

750697 Main drive gear bearing & seal tool

JIMS MAIN DRIVE GEAR BEARING TOOL

This tool helps you to safely install a new main transmission case bearing in 2006 Dyna 6 Speed models, as well as all 2007 to present Twin Cam transmissions by using hand tools. The tool will hold the bearing exactly square to its bore, eliminating any marring of the bearing bore. Comes with comprehensive instruction sheet.

750699 Main bearing installer for late 6-speed

JIMS CRUISE DRIVE 6-SPEED MAIN DRIVE GEAR & BEARING REMOVER/INSTALLER KIT

This is a complete kit for servicing the main drive gear or the main bearing on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models. This precision tool removes or installs both parts correctly without damaging the case. Comes complete with instruction sheet.

751090 Jims main drive gear & bearing tool for late 6-speed

JIMS 5 SPEED TRANSMISSION SHAFT INSTALLER

This tool allows easy installation of transmission shafts, without the need to use an arbor or hydraulic press. Can be used to install the mainshaft as well as the counter shaft in 5 Speed and 6 Speed transmissions.

721545 5-speed Transmission shaft installer

JIMS CRUISE DRIVE 6-SPEED TRAP DOOR BEARING REMOVER/INSTALLER KIT

An other innovative tool from Jims that will accurately install a lubed ball bearing into the transmission trap door. Also removes bearing without error and can be performed on a work bench, no need for an arbor press. Comes complete with instruction sheet-Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751091 Jims trap door bearing tool for late 6-speed

JIMS TRAP DOOR PULLER

This handy tool easily removes the trapdoor from 5- and 6 Speed transmissions. This puller pulls the trapdoor with the gears and shafts attached without damaging the door bearing.

721546 Trap door puller for 1980 thru 2006 Big Twin 5 Speed and most aftermarket 6 Speed transmissions

JIMS TRANSMISSON DOOR REMOVER TOOL

This handy tool allows you to easily remove the complete trap door with gears and shafts from the transmission housing on 2006 to present Dyna models, as well as all 2007 to present 6-Speed Twin Cam models.

750702 Transmission door puller for 2006 to present Dyna and 2007 to present Twin Cam

JIMS TRANSMISSION DOOR BEARING TOOL

This tool is designed to remove and install the transmission door bearings. With this tool you can also remove the door for replacement without removing the complete transmission assembly. For use on 1980 thru 2006 Big Twins with stock or aftermarket 5- or aftermarket 6 Speed transmissions. Also works on transmissions with larger-than-stock size trapdoor bearings.

751083 Jims trapdoor bearing tool

MAIN DRIVE GEAR BUSHING TOOL

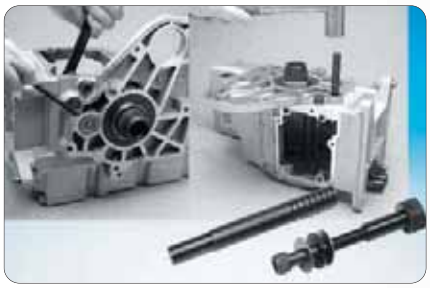
Used for replacing and installing main drive gear bushings on all Big Twin models from 1936 thru 1986.

235802 Main drive gear bushing tool

JIMS SHIFTER SHAFT REMOVER TOOL

Use this tool to loosen and remove both shifter shafts from the transmission door, allowing further disassembly. Works on 2006 Dyna 6 Speed transmissions, as well as on all Twin Cam 6 Speed transmissions 2007 to present.

750693 Shifter shaft remover tool



JIMS SHIFTER SHAFT SLEEVE TOOL

Use to remove and install the shifter shaft sleeve in all 5 speed Big Twin transmissions and most aftermarket 6 Speed transmissions. This tool may be used to remove or install replacement or upgrade shifter shaft sleeve, assembly and drum. Works for Big Twins 1980 thru 1999 as well as Twin Cam 1999 thru 2006, except 2006 Dyna models.

750335 Shifter shaft sleeve tool

COMPENSATING SPROCKET WRENCH

USA made compensating sprocket shaft nut wrench. Fits Big Twin models from 1955 thru early 1970 and Sportster models from 1957 thru 1976 (OEM 94557-55A).

235805 Compensating sprocket wrench

JIMS TRANSMISSION STUD INSTALLER

This tool is for easy installation of the bottom mounting studs on all rigid mount transmissions. For use on all 1936 thru 1986 4 Speed transmissions, and 1985 thru 1999 5 Speed Softail transmissions.

721547 Transmission stud installer tool

WHEEL BEARING RACE REMOVER AND INSTALLER TOOL

Use to remove and install the bearing cups in cast wheels on 1973 thru 1999 Big Twin and Sportster models. Must be used with ZPN235804 (OEM 33071-73).

235921 Bearing race remover and installer tool

JIMS TOOL DRIVER SPACER

The effectiveness of any bearing race remover tool is dependent on the ability to grip the race. This spacer applies outward force on the bearing race tool to allow easier removal. Must be used with handle ZPN235804. Works with most Jims bearing race tools, such as ZPN233171, 237351 and 235921.

237107 Spacer driver tool

RACE & BEARING INSTALLATION TOOL

This driver must be used with ZPN237107 wheel bearing race remover & installer tool (OEM 33416-80).

235804 Race & bearing installation tool

JIMS BRAKE CALIPER PISTON REMOVER

This tool will support the brake caliper pistons for removal by holding the pistons square to their bores. This prevents any damage to the pistons and the piston bores so seals can easily be replaced. For use on 4 piston brake calipers 2000 to present.

750336 Brake caliper piston remover

WHEEL BEARING REMOVER AND INSTALLER KIT FOR 2000 TO PRESENT MODELS

Use to remove and install "new style" sealed wheel bearings, as used in both ABS and non-ABS equipped 2000 to present Harley-Davidson and Buell models, without damaging the wheel. The kit is used for bearings for 3/4", 1" as well as 25mm axles. Kits supplied before 2007 did not include the tools for 25mm but can be upgraded with the optional bearing installer and bearing puller kit.

741912 Wheel bearing installer & remover kit for 3/4", 1" and 25mm axles

751077 Optional bearing installer & bearing puller for 25 mm axle

WHEEL LUG T-BAR WRENCH

Big and strong T-bar style wrench for the allen head wheel lug bolts as found on all 1935 thru 1972 models.

740047 T-bar wheel lug wrench (OEM 94621-35)

JIMS STEERING HEAD BEARING RACE TOOL

Makes removal and installation of steering head bearing races as used in 1949 to present Big Twin, 1978 to present Sportster and Buell models an easy job. Must be used with driver spacer (ZPN237107 & 235804).

233171 Steering head bearing race tool

JIMS STEERING HEAD BEARING RACE INSTALLER

This tool is designed to pull steering head bearing cups straight and true into Big Twin frames from 1936 to present as well as most aftermarket frames.

233161 Jims steering head bearing race installer

JIMS FORK STEM BEARING REMOVER

This tool is required to remove the tapered lower fork stem bearing on all 1960 to present Big Twin models, 1982 to present Sportster and 2002 to present V-Rod. For removal of the lower fork stem bearings on early 1978 thru 1981 Sportster models an additional Hard End Cap is required. The Hard End Cap is sold separately.

751068 Fork stem bearing remover

233200 Hard end cap

TOURING MODEL FORK STEM NUT WRENCH

This Jims USA fork stem nut wrench is a great time saver on radio equipped Touring models. With this tool you are able to loosen, tighten and torque the fork stem nut to spec. without removing the radio package, a time saving of 45 minutes for even an experienced mechanic. Works on all 1996 to present FLHT and 1994 to present FLHR models.

751102 Jims Touring fork stem nut wrench

REAR WHEEL COMPENSATOR BEARING REMOVER AND INSTALLER TOOL

Use this tool to remove and install the compensator ball bearing, after the rear pulley is removed from the rear wheel drive bowl on 2008 to present V-Rod, Sportster and Touring models. This ball bearing is now positioned with the rubber isolators in the drive bowl. This tool will center and guide the installer plug with the center of the pulley for safe bearing removal and installation.

751078 Rear wheel compensator bearing remover and installer.

SOFTAIL SWING ARM BEARING TOOL

This tool allows you to install the spherical swing arm pivot bearings in 1984 to present Softail. Guarantees a straight fit and easy removal without using brutal force, all you need is this tool and a pair of regular spanners.

351323 Softail swing arm bearing remover & installer

JIMS PIVOT BEARING REMOVER

Removing and installing the swingarm pivot bearings ZPN782023 (OEM 9076) or ZPN231759 (OEM 9270A) on 1984 to present Softail models requires this tool. This tool can also be used to remove and install the front fender spherical bearings (OEM 9149) on 1997 thru 2002 and 2004 to present Heritage Softail models.

751069 Jims pivot bearing remover

JIMS CLEVEBLOCK SPREADING TOOL

When cleveblocks in FXR rubber mount frames from 1980 thru 1994 are replaced they need to be positioned to install in the rear of the transmission. This tool will spread the swing arm cleveblocks allowing for the installation of the swing arm.

233167 Cleveblock spreading tool

JIMS CLEVEBLOCK BUSHING REAR SWINGARM ASSEMBLY TOOL

Use this tool to remove and replace swingarm cleveblocks. The silicone filled bushings will damage if not installed properly. This tool presses on the outer sleeve of the bushing, preventing damage to the cleveblock. Can be used with or without a press on FLT 1980 to present, FXR 1982 to 1994 and all FXR style aftermarket frames.

233162 Cleveblock bushing rear swingarm assembly tool

FORK LEG AND TUBE HOLDER TOOL

Use this tool to hold fork legs and tubes for easy hands free servicing or re-building. Mounts in a vise to hold the fork firmly during repair without causing damage to the fork assembly. Will not scratch finishes.

751064 Use on fork tubes with a maximum of 2" (50.8mm) diameter

JIMS TOP FORK TUBE PLUG SOCKET

This 3/8" drive 35mm socket is the best and safest way to remove or install the fork tube caps on all 39mm and 41mm Narrow Glide, Mid Glide and Wide Glide forks. It has a rubber protective coating on the inside to prevent damage to the nut. Socket is low profile, to clear most handlebars.

235984 Hex top fork tube nut socket

FORK TUBE SPRING RETAINER REMOVER/INSTALLER TOOL

This tool has two pins to match the front fork spring retainer screw on early drum brake Sportsters and Superglides. Locate this tool with the pins facing down on top of the spring retainers inside the fork tube. You will then be able to remove or install this retainer to service the fork assembly.

751065 Fits Sportsters 1952 thru 1972, and Superglide FX models 1970 thru 1972

41MM FORK SEAL AND BUSHING INSTALLATION TOOL

Designed for easy installation of the fork slider bushing and oil seals on 1984 to present 41mm forks. With the fork tube installed in the lower fork as a guide for the 2 kilos weighing tool you can use one side of the tool to install the fork slider bushing exactly on depth, the other side to install the fork seal. Use of the tool prevents for damage and guarantees a perfect square installation of both seals and bushings.

351144 41mm fork seal and bushing installation tool

JIMS FRONT FORK COMPRESSOR TOOLS

1984 to present fork springs in cartridge style 41mm fork assemblies require compression when servicing or re-building. This compressor can be mounted in a vice for easy hands free servicing. Includes an adapter for FL forks to eliminate direct contact with spring coil. Also includes a special rod to pull the fork damper rod. Tool works with stock length forks. An extension kit for use with forks from 2" under stock to 16" over stock length is available separately.

751066 Tool for stock length forks
751067 Extension kit for 2" under stock to 16" over stock

JIMS CASE SAVER OVERSIZE TAPPET REAMER FOR TWIN CAM

This new tool can be a case saver if you have worn out or damaged tappet bores on any Twin Cam engine case. This reamer tool is designed to ream the case to fit +.010" oversize Twin Cam tappets. Tool includes a top quality reamer designed for this application and two Flex-Hones, to perform a perfect finish hone on each tappet hole.

751086 Jims case saver tappet reamer for Twin Cam 1999 to present

JIMS INNER CAM BEARING INSTALLER TOOLS FOR ALL TWIN CAMS

This tool is used to install the two inner cam needle bearings on all Twin Cam engines. It perfectly aligns to the shaft bores for a precision press fit. Designed to press from the letter side of the inner cam bearing to eliminate any damage to the bearing, cam or case. Will set bearings .023" to .028" (0.58mm to 0.071mm) below case surface.

751094 Inner cam bearing installer tool

JIMS 49MM FORK DUST AND FORK SEAL INSTALLER TOOL

This two-piece tool is designed to install the lower leg 49mm fork seal squarely into the bore without damaging the seal lip surface. Works on 2006 to present Dyna, 2002 to present V-Rod and 2014 to present Touring.

751128 Jims 49mm fork dust seal and oil seal installer

JIMS CRANKSHAFT BEARING REMOVER AND INSTALLER FOR TWIN CAM

This quality tool is designed and made by Jims to remove and replace the right side crankcase bearing on Twin Cam "A" engines. Precision made and piloted using Delrin, a non-marring material, to press bearing in and out straight with no damage to the case. Does not work with Twin Cam "B" engines.

720483 For Twin Cam "A" 1999 thru 2002
750321 For Twin Cam "A" 2003 to present

JIMS CAM ASSEMBLY TOOL FOR ROLLER CHAIN DRIVE TWIN CAM

This tool is made from non-marring material to allow you to install camshafts in 2006 to present Dyna models and all 2007 to present Twin Cam models without damaging any of the cams' surfaces. It holds both cams in a position so you can lower the cam support plate over both guides and cam journal guides.

750692 Jims cam assembly tool for roller chain drive Twin Cam models

JIMS CAM SHAFT REMOVER AND INSTALLER TOOL FOR TWIN CAM

This multi-functional tool will remove and replace front and rear camshafts and the ball bearings in Twin Cam motors. It provides the precision alignment of the camshaft to insure a smooth press in and out of the support plate.

720485 Camshaft remover & installer

JIMS TWIN CAM B CRANKCASE SUPPORT BLOCK TOOL

Jims Crankcase support block tool for Twin Cam B is an innovative tool designed to protect the left engine case while servicing the inner balancer bearings or performing other general engine work. These blocks attach to the outer side of the engine case underneath the balancer bearing pads surface. The blocks are made of aluminum and have an inserted Delrin pad that rest against the case to prevent marring. The blocks properly support the case, keeping it on a level plane when using a press for bearing service work. These tool blocks also keep the case level when using JIMS tool ZPN751085 to remove the balancer bearings without an arbor press. Comes complete with instruction sheet.

751087 Jims Twin Cam B crankcase support block tool

JIMS TWIN CAM CYLINDER TORQUE PLATES

Jims cylinder torque plates are essential to check cylinder measurements accurately. These torque plates simulate stress conditions when boring and honing and are lasered with the correct torquing sequence and fit both stock and most big bore Twin Cam cylinders.

720486 Cylinder torque plates

JIMS CASE SPLITTER TOOL FOR TWIN CAM MODELS

Use this tool to "break" the case sealant by pushing apart both crankcase halves. You just bolt the tool with the supplied hardware to the primary mounting holes. Thread-in the pushing screw by hand and the case will come part and flywheels will be pushed from the left case. No impact tools needed. Works on 2006 Dyna Twin Cam models and all Twin Cam models 2007 to present.

750698 Jims crankcase splitter tool

JIMS TWIN CAM CASE BORING TOOL

This Jims case boring tool takes out all the guesswork of boring both 1999 thru 2006 Twin Cam "A" (except 2006 Dyna's) and 2000 thru 2006 Twin Cam "B" crankcases to accept all 4" bore cylinders. Works well with the Jims 100" piston and cylinder kit, as well as S&S Super Sidewinder Hot Set Up kits. This tool is designed to be used in a heavy duty 15" drill press.

750301 Jims Twin Cam case boring tool

JIMS CASE BORING TOOL

An easy to use tool that allow you to bore 2006 Dyna Twin Cam and all 2007 to present Twin Cam crankcases on a heavy-duty 16" drill press to accept up-to 4 1/8" bore cylinders.

750701 Twin Cam case boring tool

TIMKEN REPLACEMENT SLEEVE FOR TWIN CAM

This bearing insert kit is designed exclusively for use with JIMS tool ZPN751050 and must be installed only with this tool. The insert has been designed to eliminate the center ring normally used between the bearings. This kit includes: bearing sleeve, mounting hardware, Permatex, and detailed installation instructions.

751051 Bearing Insert kit, fits 2003 to present Twin Cam engines

751052 6 Pack of Bearing Insert kits

JIMS TIMKEN CASE BEARING CONVERSION TOOL FOR TWIN CAM

This tool is a must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace bearing for stock 88" or 96" engines. Utilizing the special JIMS precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (OEM 24604-00D) to the more durable Timken bearing (OEM 9028). This insert is manufactured from aerospace quality steel that is several times stronger than the aluminum case material the standard bearing rides in. This job can be performed with normal hand tools, a hand drill and a 2 ton press.

Includes:

- A steel bearing insert held to under .0002" total indicator reading.
- A press plate that will hold the bearing insert in line with the case bearing bore at the time it is being pressed into case
- All the necessary drill bits to drill oil feed and return holes, hardware, and detailed instructions

Timken style crankcase bearing must be ordered separately.

751050 Jims Conversion Tool for use on Twin Cam engines 2003 to present

231501 Crankcase bearing L/H, Timken style

JIMS WRIST PIN BUSHING TOOL FOR TWIN CAM

Use to remove and replace wrist pin bushings in 5 speed Twin Cam motors without removing the connecting rod from the crankcase.

720490 Wrist pin remover & installer

JIMS TWIN CAM CAM CHAIN TENSIONER UNLOADER

This tool will unload the pressure on the primary and secondary cam chain tensioners to assemble and disassemble cams. This tool also checks spring loads on the chain tensioners.

720488 Jims Twin Cam cam chain tensioner tool

JIMS 5-SPEED TWIN CAM INNER CAM BEARING REMOVER

Bearing remover for 1999 thru 2005 Dyna, 1999 thru 2006 Touring and 2000 thru 2006 Softail. Designed like Jims' popular Evolution cam bearing tool to remove the bearing easily without any damage to the crankcase. This precision built tool will also keep the pin rollers from accidentally falling into the crankcase.

720487 Inner cam bearing remover tool

JIMS TWIN CAM CAMSHAFT/CRANKSHAFT SPROCKET LOCK

This precision tool allows the technician to lock the cam shaft and cam shaft sprockets to properly remove, replace and torque the sprocket bolts. Made from non-marring Delrin. Available for use on Twin Cam with Silent Chain cam drive, and roller chain equipped models, such as FXD 2006 and all Twin Cam models.

720489 Cam/Crank sprocket lock tool

750694 Use on roller chain equipped Twin Cam models

ROD HOLDER TOOL

Used to keep connecting rods in place and eliminate twisting or bending of the connecting rod while reaming or honing the wrist pin bushings on all Big Twin, Sportster, Buell and Twin Cam models. Works well with ZPN720490 and 237347 wrist pin bushing tools, as well as ZPN711283, 711284, and 711285 Wrist pin bushing reamers.

741909 Rod holder tool

JIMS WRIST PIN REMOVER

This Jims tool will cut the time it takes to remove the wrist pins as it can be used easily by one person. No need for another technician to hold the piston while you drift the pin out. Can be used on Twin Cam 5 Speed.

720482 Wrist pin remover

JIMS TWIN CAM OUTER CAM BEARING REMOVER

Once the camshafts are removed from the support plate, this specialty tool will remove the bearing from the camshaft. Unlike a general purpose puller this tool was designed to remove the bearing straight with no slipping or binding.

720491 Cam bearing puller

JIMS CRANK SHAFT BUSHING TOOL FOR TWIN CAM MODELS

This Jims tool will remove and install crankshaft bushings in the support plate on Twin Cam models. Piloted for accurate operation.

720492 Crank shaft bushing tool

JIMS TWIN CAM "B" BALANCER SHAFT ALIGNMENT TOOL

This tool is a must have for maintaining a long life of your balancer drive chains and bearings. When using this tool there is no need for guessing for alignment because it will take all the guess work out of setting up your sprocket and chain alignment on a Twin Cam "B" engine.

750312 Jim's balancer shaft alignment tool

JIMS BALANCER SHAFT BEARING REMOVER AND INSTALLER

This tool will pull the bearing from the Twin Cam "B" motor case in one easy smooth motion preventing any damage to the bearing bores. The installing portion of this tool is designed to push on the outer diameter of bearing preventing any damage to the bearing itself or it's bore.

750313 Balancer shaft and bearing remover and installer tool.

SHOCK ABSORBER PRE-LOAD SPANNER

Simple but very effective tool to adjust the shock absorber spring pre-load. Works on most shock absorbers.

235188 Pre-load Spanner

JIMS BALANCER INNER BEARING REMOVER/INSTALLER FOR TWIN CAM B

This Jims tool will accurately, and safely install or remove the inner balancer bearing mounted in the left engine case. This tool is designed for use on both early and late Twin Cam B crankcases and can all be done on a work bench without using an arbor press. Comes complete with instruction sheet.

751085 Jims Twin Cam B blancer inner bearing remover & installer tool

JIMS CRANKSHAFT BEARING INSTALLER AND REMOVER FOR TWIN CAM "B" MODELS

Designed to protect expensive engine cases by using a specially designed support block to remove or install cam side crankshaft bearing on Twin Cam models with balance shafts (TC88B). Use Zodiac press fit lube ZPN741905 on case and bearings while installing.

741905 Crankshaft bearing installer & remover

JIMS BALANCER SHAFT RETENTION PINS FOR TWIN CAM "B"

This tool is developed to secure the engine balancers on Twin Cam "B" engines when servicing the flywheel assembly This tool locks into the balancer's sprocket pin holes to prevent the balancer from turning out of synchronization with the flywheel.

750311 Jims balancer shaft retention pins

SHOCK SPANNER

Works on Harley V-Twins to set more or less, spring compression on the rear shocks. Can be used on models 1958 thru 1984 and Sportster models 1958 thru 1974. Zinc plated finish.

133012 Shock spanner

PROGRESSIVE SUSPENSION SOFTAIL SHOCK TOOL

This Softail shock tool can be used to assemble and disassemble all shocks on 1984 to present Softail models.

741885 Shock tool

PROGRESSIVE SUSPENSION STANDARD SHOCK TOOL

This USA made shock tool works on most shocks found in this catalog. No more hassle when changing springs, this tool makes it an easy job. Place shock in the holder, insert the pin through the hook, turn arm until holder compresses the spring far enough to remove the collars and release arm again. A must in every workshop.

235125 Standard shock tool

SOFTAIL SHOCK PRE-LOAD TOOL

A single hand tool used to adjust the spring pre-load of the rear shock absorbers on 1984 to present Softail models. Does not require jacking or lifting of the rear wheel off the ground.

750803 Softail spring preload tool (OEM 94455-89)

PROGRESSIVE suspension

DUAL GAUGE LEAK-DOWN TESTER

This tester is the superior dual gauge design. It has an adjustable left-hand gauge with a precision regulator and a large easy to read to read right hand gauge. Comes with an aluminum black anodized main body, corrosion resistant solid brass coupler, and a hose for 14mm plug holes. This tool enables the professional engine builder/tuner a way to pinpoint leakage of the piston bore, rings, valves, heads, and gaskets without taking the engine apart. With an adapter it can be used to set injection barrel valves. Much more versatile than a simple compression gauge.

711170 Dual gauge leakdown tester

711171 Adapter hose with 12mm fitting

OIL FILTER SOCKET WRENCH

This 3" oil filter socket wrench works to install and remove most OEM and aftermarket 3" oil filter cartridges as well as our Spin-On replacement oil filter & oil cooler combinations.

743140 3" Oil filter socket wrench, made by Midlock

NEW

JIMS ENGINE DIPSTICK SOCKET

Tired of burning his hand while checking the oil level on Touring and Dyna models, Gary Smith developed this engine dipstick socket for Jims. This ingenious and patented tool allows both riders and mechanics to remove the engine oil level dipstick quickly and safely. This tool not only protects your hands from the heat, but aids riders with limited hand strength in easily checking their oil level. Features include a square hole for 3/8" ratchet fitment, 7/8" hex for wrench fitment, and a cutout for clearance around the exhaust pipe. Made of heat resistant and non-marring Delrin, ensuring strength and durability. Designed for use with the stock dipstick, not guaranteed to work with aftermarket dipsticks.

751127 Dipstick socket tool for 2007 to present Touring and 2006 to present Dyna

SLIM-JIMS OIL FILTER WRENCH

The new Slim-JIMS Oil Filter Wrench is the slimmest on the market. Its exclusive design makes it much easier to navigate near the oil cooler and the crank position sensor, and allows for more room to work around the exhaust pipes, frame, hoses and brackets. It incorporates a 3/8" square drive and guarantees a good grip on spin-on oil filters with a 14-flute end. The Slim-JIMS Oil Filter Wrench is manufactured in the USA

751109 Jims Slim Jims oil filter wrench

JIMS OIL FILTER CUTTER

Troubleshooting the oil management system requires looking into the oil filter. Use this tool to inspect for any damaging particles that may be trapped in the filter. This tool locks down the filter for a clean cut around the filter base by rotating the filter. Use this tool in combination with the oil filter cutting stand ZPN751079. Will fit oil filters up to 5 1/2" diameter.

751080 Oil filter cutter

JIMS OIL FILTER CUTTING STAND

This stand makes the task of cutting open your oil filter easy. Prevents the slippery filter drop out of your hands while trying to cut it open. The stand can be mounted to a bench or used in a vice. The u-bolt quickly tightens the filter in place with the wing nuts provided. This tool should be used in combination with oil filter cutter ZPN751080. Fits all common OEM and aftermarket spin-on filters.

751079 Oil filter cutting stand

PROFESSIONAL FORK OIL LEVEL ADJUSTER

This tool is the quickest and most accurate way to set the oil level in each fork leg. Designed for the professional mechanic, works on most forks.

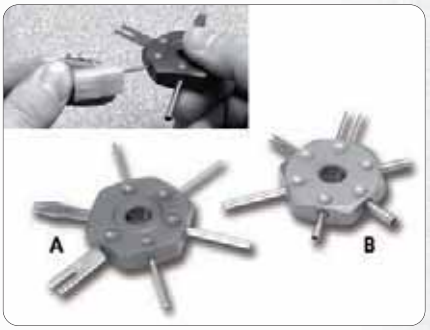
235189 Fork oil level adjuster

JIMS RECEPTACLE AND PIN EXTRACTOR

No more difficulties in dismounting molex style connectors. The receptacle and pin extractor will easily remove the pins. Can be used on all models.

750338 Pin extractor

750339 Receptacle extractor



JIMS 6-IN-1 RECEPTACLE EXTRACTORS

This handy tool easily removes an assortment of harness style receptacle pins with either one of these 6 into 1 tools. This tool originally came from the automotive industry but, as we found out, also works great on motorcycles.

A. 750340 6-in-1 for ALDL, pack-con and weather connectors

B. 750341 6-in-1 for all tong-style connectors

"ACCEL 300+ CRIMP" HEAVY-DUTY PLUG WIRE & ELECTRICAL WIRE TOOL

The best wiring crimping tool available. The 300+ Crimp tool is supplied with three removable stripping/crimping dietype jaws. One for spark 7-9mm plus wires and two styles for primary wire terminals. An absolute must for making custom plug wire sets or wiring harnesses. Constructed with a heavy-duty hardened steel frame with molded non-slip hand grips. An adjustable ratchet mechanism produces consistent factory style high quality crimps.

231953 Plug wire & Electrical wire tool

ACCEL SUPERSTOCK CRIMP TOOL

The SuperStock crimp tool produces a factory style crimp. Strips spark plug wires and crimps all 7-8mm terminals all in one tool. Constructed with a strong steel frame and features cushioned hand grips.

797064 Accel SuperStock crimp tool

MSD PRO CRIMPTOOL

The right tool for the right job, a catchphrase that is amongst the fundamentals of motorcycle engineering. Hardened for professional use, the tool has to be used when fitting super conductor or any other spark plug wires. Comes equipped with a set of jaws to install or remove plug wires and boots. Replacement jaws as well as jaws for various other purposes are also available.

711823 Pro crimp tool
711824 Replacement spark plug jaws
711825 Optional AMP pin jaws
711826 Optional AMP lug jaws
711827 Optional Weather tight jaws
711828 Optional Deutsch connector jaws

DEUTSCH CRIMP TOOLS

A. 701793 Deutsch Crimp Tool for Stamped Terminals
B. 701794 Deutsch Crimp Tool for Solid Terminals
C. 741545 Removal tool

MULTI PURPOSE MSD MINI STRIPPER CRIMPER

Designed to be used in a vise and with single-edge razor blade to strip spark plug wires without damaging the core and to crimp a terminal.

711822 Mini stripper crimper tool

JIMS WIRE PIERCING TOOL KIT

This tool is used when you're looking for an easy way to pierce into positive or negative power sources in a wire harness. Fits wires from .030" through .180" (0.8 thru 4.6 mm) diameter insulation. Do not use on voltages larger than 30VAC or 60VDC. Maximum current 5A. Tool comes with banana jacks on tool. Included are red & black banana post connectors.

751125 Jims wire piercing tool kit

ECO-LINE WHEEL TRUING & BALANCING STAND

This low-cost stand allows you to true out-of-round wheels and balance mounted tires. Precision low-friction fully sealed ball bearings give accurate balance. Accepts wheels up to 8 3/4" (22cm) wide and 29" (74cm) overall diameter. Handles axles sizes from 19/32" (15mm) to 1 1/2" (38mm). Stand has a powder coat finish, axle and cones are zinc plated.

500402 Eco-Line wheel truing & balancing stand

JIMS FLH/FLT POWER TRAIN ALIGNMENT TOOL

This tool easily and safely aligns the Power Train to the correct position on most 1993 to present (rubber engine, transmission and swingarm mounted) Touring models. Alignment service must be performed when the engine, transmission, or swingarm have either been removed or repaired. Without accurate alignment the safety in handling and performance will be effected.

751073 Power train alignment tool

LASER ASSISTED DRIVE BELT OR DRIVE CHAIN ALIGNMENT TOOL

Whenever you have removed the rear wheel of your motorcycle, you need to re-align the chain or belt. This handy tool really takes the guesswork out of this job. By simply putting the Chain Alignment Tool on your sprocket or pulley, the laser beam indicates if everything is lined up properly. Correct alignment increases the lifetime of your complete drive train, tire, and wheel bearings, reduces fuel consumption and improves road holding. This Class-2 quality laser features a tolerance of less than 0.01mm per meter chain or belt and works on two normal RR-14 "penlight" batteries. The Chain Alignment Tool is economically priced-every bike owner should have one in his toolbox. It definitely is a must for professional workshops.

701227 Mark IV Laser Drive Line Chain Alignment Tool

JIMS REAR AXLE NUT TORQUE ADAPTER

This Jims tool will make adjusting the drive belt tension or rear wheel alignment a bit easier. It will save you time by eliminating the need to remove the mufflers to perform this service. The tool is designed with a 1/2" drive receiver hole for inserting your torque wrench thus letting you torque the axle nut from an offset position. Comes complete with instruction sheet.

751088 Jims rear axle nut torque adapter

JIMS 3RD HAND FLH/FLT REAR AXLE LOCKER TOOL

Torquing down the rear axle nut on all 2002 to present FLH/FLT models, for example after rear belt adjustment, the welded axle nut tends to move to the low side of the adjuster cam. This movement will allow the belt to loose adjustment. With this 3rd hand axle tool you are able to lock the axle without the assistance of any helper. This tool holds the nut without having to reach around the rear tire to hold the nut from moving. Simply place the 3rd hand over the welded nut on the left-hand side of the motorcycle. With the neck portion of the tool resting over the swingarm, hand tighten the adjuster screw to take up any slack in tool. Torque the axle nut from the right-hand side knowing that the welded nut will not turn. Instructions are included.

751072 3rd hand axle locker tool

JIMS JUMBO CHAIN TOOL

This tool is designed to break roller chains up to 630 series and fits all standard and O-ring chain sizes 520, 530 and 630. The tool rivet chains up to 530. Master link side plate press kit is included to press-fit side plates on chains up to 530. The screws and attachments of the tool are heat treated for strength and durability. The extractor pin is precisely guided by a removable guide ensuring long pin life. The tool may be bolted to a workbench, supported in a vise, or held by handle. When bolted to a solid surface, air or electric wrenches may be used to break chain. This jumbo chain tool is recommended for heavy-duty use. Instructions are included.

751074 Jims Jumbo Chain Tool

JIMS CHAIN PRESS TOOL KIT

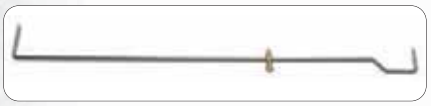
Since about 1990 most new chains use press-fit type side plates on the connecting links. With this type of link the side plate can not be installed properly without the aid of this special tool. The chain manufacturers have determined a press-fit adds strength to the connecting link and should always be used. Suitable for 520 and 530 type chains, either standard or O-ring style.

751075 Jims Chain Press Tool kit

JIMS BELT TENSION GAUGE

This compact tool is designed to assist in properly adjusting the secondary belts on all belt driven motorcycles with a 10 lb. specification. Tool has an easy to read scale.

751076 Belt tension gauge



JIMS REAR WHEEL ALIGNMENT TOOL

Proper wheel alignment is necessary for safe handling of the motorcycle. It will also extend the life of the belt or chain, pulleys and sprockets. With this tool you can simply and accurately obtain the correct alignment. In combination with hollow axle plug ZPN751070 this rear wheel alignment tool suits the new hollow axles as found on 2003 to present Buells and 2008 to present Dyna and Sportster models.

751071 Rear wheel alignment tool

PROFESSIONAL BIKE ALIGNMENT TOOL WITH LASER

A professional tool for workshop use, allowing you to check wheel alignment within minutes. First you check if the final drive is in line with the included Chain Alignment Tool, than attach the CNC machined aluminum gauges to the front and rear wheel and switch on the laser and you can see at a glance if the wheels are in line or not. The two gauges with integrated class-2 lasers guarantee a measuring tolerance of less than 0.5mm/meter. No more hassling around with ropes or bars of steel, the Bike Alignment Tool (B.A.T.) gives secure information. Perfect for Custom Bike Builders, crash damage controls, and a real help in solving road-holding problems. Professionals know that professional tools require professional care, so the B.A.T. comes complete with a high impact plastic case to store it properly.

Complete kit contains:

- Laser Chain Alignment Tool with two 1.5 Volt LR44 batteries
- One pair front wheel gauges with clamps
- One pair rear wheel gauges with clamps
- High Impact plastic case
- Two laser equipped gauges

701226 Professional Bike Alignment Tool

JIMS HOLLOW AXLE PLUG TOOL

Hollow wheel axles are on Buells since 2003 and Dyna and Sportster models 2008 to present. The use of hollow axles has eliminated the center point of the axle, a point that has always been preferred for wheel alignment. When you insert this tool in the ends of the hollow axle you have a correct center point again.

751070 Plug set for hollow axles

FUEL PRESSURE TEST GAUGE TOOL BY JIMS

This gauge is a must have, as all new Big Twin motorcycles have Electronic Fuel Injection. This fuel pressure gauge is easily installed in line with the motorcycle's fuel supply system. Jims supplies you with all the necessary hose connections and fittings to safely perform a fuel pressure test in about the same amount of time it takes to change a set of spark plugs. Full detailed instructions are included.

751053 For use on EFI equipped FLH and FLT series models 2002 to present, FXST models 2001 to present and Dyna's 2004 to present

FUEL PUMP RETAINING RING TOOL

This is a must use tool for removal or installation of the fuel pump retaining ring found on Touring models 2008 to present. Use the remover tool in combination with a 1/2" ratchet.

751054 Fuel pump retainer remover tool

IGNITION SWITCH HOUSING ALIGNMENT TOOL

This tool will help to align the ignition switch housing and ignition switch knob to help extend the life of the ignition switch housing. Just insert the tool, torque de screws and remove the tool again. Works on all Touring models 2003 to present and all V-Rod models 2002 to present.

751056 Ignition switch housing alignment tool

JIMS IGNITION SWITCH & FORK LOCK TOOL FOR DYNA

This tool is used to make removing and installing the 2006 and later Dyna ignition switch & fork lock simple. Tool locates on the ignition switch face nut that holds the switch in place on the frame, letting you remove or install this switch correctly. Tool has a 3/8" drive access hole.

751124 Ignition switch and fork lock installer and remover tool

RACER'S SAFETY WIRE KIT

For safety wiring of nuts and bolts, kit includes stainless wire and special stainless washers that make safety wiring a "no drill" operation. Wire is separately available.

235193 Safety wire kit
235272 Safety wire .035" (0.9mm) 1 lbs.
235267 Safety wire .025" (0.65mm) 1 lbs.

ACCEL SAFETY WIRE & PLIERS

Safety wire is mandatory in many racing classes and a proven way to secure bolts and nuts. Accel's safety wire is made from 304 stainless and is .032" (0.81mm) in diameter. Their special safety wire pliers make safety wiring fast and easy.

797065 Accel Safety wire pliers
797066 Accel .032" (0.81mm) stainless safety wire, 1 lbs. (454 gram) can

TWIN SCAN II DIAGNOSTIC SCAN TOOL

The Twin Scan II scan tool is compatible with 2001 to present fuel injected models using Delphi system, including V-Rod, Twin Cam models, as well as 2003 thru 2006 carbureted models with the 12-pin ignition module. It is a low-cost tool that uses the USB port on your laptop or PC for display and comes complete with Windows software.

Features are:

- Reads and clears diagnostic trouble codes from ECU (engine control unit), TSSM (turn signal/security module), speedometer, and tacho.
- Real time display of engine data on instrument panel type display.
- Built-in data logging. Stores up to 45 minutes of data. Automatically triggers when a trouble code is set. Shows data before and after code is set.
- Includes two analog inputs for air/fuel ratio (AFR).
- Compact size.

Also available in a version with ABS bleeding function. The TwinScan II's are for models with a J-1850 data bus. The TwinScan3 is for models with a CAN-Bus system such as 2011 to present Softail and 2012 to present Dyna.

741998 TwinScan II diagnostic scan tool
742036 NEW TwinScan II diagnostic scan tool with ABS bleeding function for models with J-1850 data bus
742039 NEW TwinScan 3 diagnostic scan tool for models with CAN-Bus system

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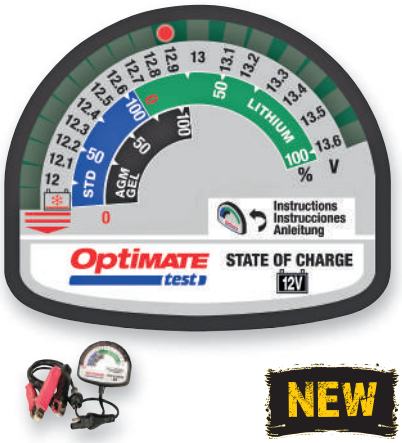
JUST IN TIME TO SHOW THEM!
These parts were announced just too late to make it into this catalog but you definitely see them soon in our Dealer News and in the Online Catalog at **http://catalog.zodiac.nl**.

Sonic Equipment Tools
45650 Tank and/or fender protector 90x50cm

Sonic Equipment Tools
745648 8 Piece Compression tester kit

Sonic Equipment Tools
745649 Electric brake fluid tester

Sonic Equipment Tools
745651 Adjustable 22mm O2 sensor wrench



NEW

OPTIMATE BATTERY AND ALTERNATOR TESTERS

These small and handy testers will help you make a diagnosis of your electrical system in a snap. Comes supplied with battery clips for use on the battery terminals, or use your already existing Optimate quick-connect for easy access. They work with all 12 Volt lead-acid, AGM/Gel and LiFePO4 (LFP) Lithium batteries in motorcycles and cars.

Battery state of charge tester

743775 Indicates state of charge in Volts and percentage for all types of batteries

NEW

Cranking power & alternator tester

743774 Indicates state of battery charge in Volts, records lowest start voltage and displays this for 20 seconds. Also verifies vehicle system charging voltage is in range for lead-acid batteries and not overcharging LiFePO4 Lithium batteries

NEW

JIMS DAMAGE CONTROL ENGINE FAILURE DETECTION SYSTEM

Jims Damage Control engine failure detection system provides an early warning of catastrophic engine failure by detecting ferrous debris within an engine's oiling system. Using state of the art technology, the special drain plug monitors ferrous particles in the motor oil. When the amount of particles in the oil reaches a level that could indicate impending trouble, the LED warning light illuminates in the handlebar clamp, alerting you to investigate the trouble. This early warning can potentially save you a load in repair costs. The system includes a complete wiring harness, drain plug sensor, and your choice of black anodize or chrome handlebar LED & clamp housing for 1" handlebars. The Jims Damage Control kit installs easily with no cutting or splicing on all 1993 to present Touring and 1991 to present Dyna Glide models. Kits for use on 1 1/4" diameter handlebars are available upon Special Order.

753603 Kit with black handlebar switch housing

753604 Kit with chrome handlebar switch housing

NEW

FUEL TOOL FUEL PRESSURE GAUGE

Fuel Tools fuel pressure gauge utilizes quick disconnects so that checking fuel pressure is a breeze. No more chasing fuel system problems. Often times the cause of a poor performing motorcycle is a problem with the fuel system. This gauge will allow you to quickly diagnose any issues with your fuel system, such as loss of power, poor fuel economy, hesitation and stalling. Works with all 2001 to present Delphi fuel injected Harleys. Features solid nickel plated brass adapter and release valve, steel housing 100PSI gauge, Viton O-rings, O-ring lubricant and nylon storage pouch. Also available as a Premium Kit that includes a 16" (41cm) flexible fuel hose and swivel gauge with felt covered magnetic attachments, allowing the user to use the gauge under both static and load conditions, no matter what side of the bike you are working on. A must for every professional workshop.

747364 Basic Fuel Tool Fuel Pressure gauge

NEW

747367 Premium Fuel Tool Fuel Pressure gauge

NEW

JIMS ROLLING BUDDY

Rubber mounted Harley-Davidson V-Twins use the engine as a structural part of the chassis. When the engine is removed, it becomes impossible to roll the motorcycle. This can incapacitate a lift or, at the very least, tie up floor space. Jims Rolling Buddy plates are designed to take the place of the engine and literally bolt the chassis back together and will allow you to roll the bike again, making your workshop more efficient. As with all Jims USA tools, these are tools for professional use, but are great for do-it-yourself use too.

753600 Use on 1984 thru 1998 Touring, FXR and Dyna

753601 Use on all 1999 thru 2006 Touring and 1999 thru 2005 Dyna

753602 Use on all 2007 to present Touring and 2006 to present Dyna

NEW

CRUZTOOLS SPEEDKIT FOR HARLEY

The CruzTools Speedkit tool kit series provides a new standard for capability and compactness. The Speedkit was developed to cover the most common needs of all Harley-Davidson models except the V-Rod, with wrenches, nut drivers, star bits, hex wrenches, 5-in-1 screwdriver, pliers, 2-in-1 spark plug socket, and tire pressure gauge. Everything fits into the durable pouch that measures only 7"x2"x2" (17.5x5x5cm), with the same dependability you have come to expect from CruzTools.

740585 CruzTools Speedkit for Harley-Davidson

CruzTOOLS®

NEW

JIMS ONBOARD DIAGNOSTIC VOLTMETER

Like all modern motor vehicles, Harley-Davidson motorcycles are much more dependent upon their electrical charging systems. Electronic fuel injection systems with high pressure fuel pumps, audio, GPS Navigation and more powerful lights that are on whenever the motorcycle is operating, add significantly to electrical demands. Charging system failure can be more than an inconvenience, so it makes sense to take preventative measures. The Onboard Diagnostic Voltmeter attaches easily to the battery and can be quickly viewed to spot potential charging system and battery problems. Works on all 6 or 12 volt battery and charging systems in motorcycles and many other applications.

753624 Jims onboard diagnostic voltmeter

NEW

JIMS IGNITION SWITCH HOUSING ALIGNMENT TOOLS

These Jims-USA tools will help to align the ignition switch housing and ignition switch knob to help extend the life of the ignition switch housing. Just insert the tool, torque de screws and remove the tool again.

751056 Works on all Touring models 2003 thru 2013 and all V-Rod models 2002 to present.

753616 Works on all Touring models 2014 to present

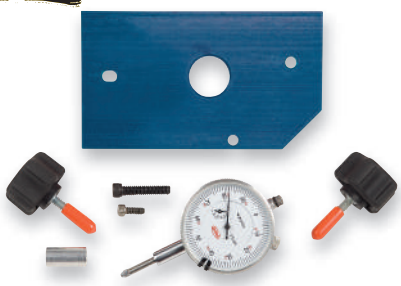
NEW

JIMS BATTERY LIFTER

Even sealed and gel cell batteries can leak harmful and corrosive chemicals that can cause damage to skin and clothing. This new Battery Lifter is modeled after the larger tools made for automotive batteries but is properly sized to fit a variety of motorcycle batteries. In particular, some Harley-Davidson models have an extremely tight fit in the compartment combined with a heavy battery, which makes for unusually difficult removal and installation. This is an accident waiting to happen! Dropping the battery can result in personal injury, and/or damage to the motorcycle, as well as the battery itself. Our concern for safety goes beyond just riding the motorcycles.

753625 For all Harley-Davidson models where lifting straight up is difficult to impossible

NEW



JIMS FLYWHEEL RUNOUT INSPECTION GAUGE

Check flywheel runout of the pinion shaft while assembled in engine case. Also checks the amount of gear lash on aftermarket gear driven cams for Twin Cam engines. By using a JIMS tire rotator ZPN 753615 you can remove most all of the stress being applied to the flywheel by not rotating the engine with the electric starter motor. Kit contains instructions, indicator plate, required hardware and a 1" dial indicator. Works on 1970 thru 1984 Shovelhead, 1984 thru 1999 Evolution Big Twin and 1999 to present Twin Cam.

753612 Flywheel trueness inspection gauge

NEW

JIMS SPROCKET SHAFT BEARING INSTALLING TOOL

Designed to give the best control on the torque of bearing pack for checking bearing end play. Torque nut with JIMS tool ZPN 235848 for consistent professional results. The basic sprocket shaft tool works on all Big Twin engines from 1955 thru 1999 and 1999 thru 2005 Twin Cam. To use this tool on later models you will also need the ZPN 753619 upgrade kit.

235810 Basic sprocket shaft bearing installing tool

753619 NEW Upgrade kit to use ZPN 235810 on 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)

NEW

JIMS PINION SHAFT BEARING AND RACE PULLER TOOL

This tool has been designed to remove pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 to present Twin Cam.
- Also to remove press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002-present.

753617 Jims bearing and race puller tool

JIMS CRANKSHAFT BEARING REMOVER AND INSTALLER FOR TWIN CAM

This quality tool is designed and made by Jims to remove and replace the crankcase bearings on Twin Cam engines. Precision made and piloted using Delrin, a non-marring material, to press bearing in and out straight with no damage to the case.

720483 For right side bearing in Twin Cam "A" 1999 thru 2002

750321 For left and right side bearing in Twin Cam "A" 2003 to present and left side bearing in Twin Cam B 2003 to present

NEW

JIMS SPROCKET SHAFT BEARING AND RACE PULLER TOOL

This tool has been designed to remove the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 to present Twin Cam. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's.
- Also to remove press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002-present.

753617 Jims bearing and race puller tool

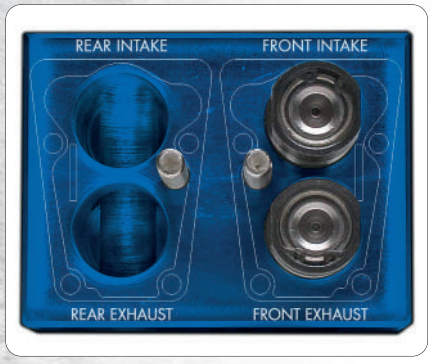
NEW

JIMS ROCKER BOX ALIGNMENT SCREWS FOR TWIN CAM

Production tolerances on Twin Cam rocker covers can allow them to shift when being tightened. This can cause misalignment, which not only looks bad but can compromise the sealing surface. And especially in engines with high lift cams having the rocker covers relieved, misaligned covers can cause rocker interference unless extra material has been removed. For these reasons Jims developed these alignment screws, your guarantee that rocker covers are aligned correctly. Comprehensive instructions included.

753607 Jims Twin Cam rocker cover alignment screws

NEW



JIMS TAPPET POSITION HOLDING TOOL

Expert technicians know that keeping the same parts operating in their original position and direction is a good idea. This is especially true with the tappets in Harley-Davidson engines. Whenever the tappets are removed the Jims holding tool allows the tappets and anti-rotation pins to be safely and accurately stored for proper reinstallation. Tappet locations are clearly referenced on the tool, which also serves to protect the tappets from damage when removed from the engine.

753633 Works on all 1999 to present Twin Cam, 2000 to present Sportster and 2000 to present air cooled Buells

JIMS TIMKEN CASE BEARING CONVERSION TOOL FOR TWIN CAM

This tool is a must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace bearing for stock 88" or 96" engines. Utilizing the special JIMS precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (OEM 24604-00D) to the more durable Timken bearing (OEM 9028). This insert is manufactured from aerospace quality steel that is several times stronger than the aluminum case material the standard bearing rides in. This job can be performed with normal hand tools, a hand drill and a 2 ton press.

Includes:

- A steel bearing insert held to under .0002" total indicator reading.
- A press plate that will hold the bearing insert in line with the case bearing bore at the time it is being pressed into case
- All the necessary drill bits to drill oil feed and return holes, hardware, and detailed instructions

Timken style crankcase bearing must be ordered separately.

751050 Jims Conversion Tool for use on Twin Cam engines 2003 to present

231501 Crankcase bearing L/H, Timken style (OEM 9028)

760557 NEW S&S crankcase bearing L/H, Timken style (OEM 9028)

NEW

JIMS INNER PRIMARY COVER BEARING AND SEAL TOOL

Designed to safely remove and install the inner primary bearing without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing. Also removes and installs inner primary seal. Those who already have the ZPN 751061 tool can order the two drivers for the 2006-up models separately.

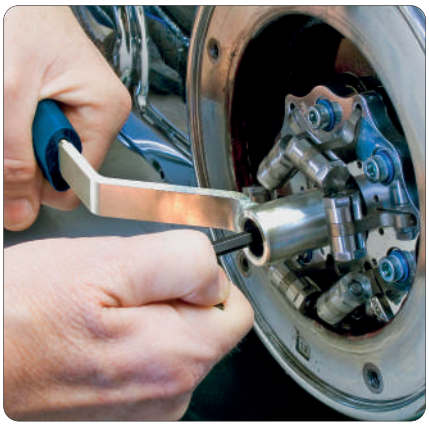
751061 For use on Softail late 1984 thru 2006, FXR 1985 thru 1994, Dyna 1991 thru 2005 and Touring 1985 thru 2006

753620 For use on Softail late 1984 to present, FXR 1985 thru 1994, Dyna 1991 to present and Touring 1985 to present

753634 Driver #4 for 2006 thru 2007 Dyna, 2007 Softail and 2007 Touring

753635 Driver #5 for 2008 to present Twin Cam

NEW



JIMS ULTIMATE CLUTCH ADJUSTING TOOL

Jims came up with this tool as a real time saver. It allows the technician to quickly and accurately tighten the clutch adjusting screw jam nut without having the screw change position on 1985 thru 1999 Big Twin and 1999 to present Twin Cam. No more guessing or making multiple attempts to lock the nut and adjuster screw in the proper place. Tool includes the proper hex key "Allen" wrench for Harley-Davidson motorcycles which conveniently stores in the tool handle.

753626 Jims Ultimate Clutch Adjusting Tool

753626 Jims Ultimate Clutch Adjusting Tool

NEW

JIMS CRUISE DRIVE VISE STAND

Jims has developed this stand to assist the assembly of the OEM 6-speed transmission gears and shafts. No more fumbling with parts on the bench or clamping in a vise with soft jaws, This tool holds the shafts in perfect alignment while protecting them form damage.

753622 Works on 2006 to present Dyna and 2007 to present Touring and Softail

JIMS TRANSMISSION MAIN DRIVE GEAR SEAL INSTALLER

Use to install the transmission main drive seal to the proper depth with the transmission assembled. Can also be used to protect the main drive gear inner needle bearings when installing the transmission in the frame.

753605 Works in all stock and aftermarket Big Twin 5 speed transmissions, as well as aftermarket 6-speeds for 1980 thru 2006 models

753618 Works in the stock 6-speed transmission in 2006 to present Dyna, 2007 to present Touring and 2007 to present Softail

NEW

JIMS 6 SPEED TRANSMISSION MAIN DRIVE GEAR SEAL INSTALLER

Installing the transmission main drive seal in the 6-speed transmission in 2006 to present Dyna, 2007 to present Softail and Touring comes very accurate as any pressure on the main drive gear bearing may result in a damaged bearing. This Jims tool installs the seal the correct way and in exactly the correct depth.

753613 Jims 6-speed transmission main drive seal installer

JIMS TRANSMISSION MAIN DRIVE GEAR SEAL INSTALLER

This Jims tool helps to install and protect the seal with correct alignment and in exactly the correct depth on OEM and aftermarket 5-speed transmissions, as well as in aftermarket 6-speeds.

753623 Jims transmission main drive seal installer

JIMS TRANSMISSION SHIFTER SHAFT SEAL INSTALLER

These tools align, center and install the shifter shaft oil seal at the correct depth in the transmission housing.

A. 753610 Use in all OEM and aftermarket 5-speed transmissions and aftermarket 6-speeds in 1980 thru 2006 Big Twin and Twin Cam, except 2006 Dyna

B. 753611 Use on 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring

JIMS COUNTERSHAFT BEARING REMOVER & INSTALLER

This Jims tool will install the closed end countershaft bearing on all Big Twin and Twin Cam 5-speed, aftermarket 6-speed and 2006 and later Twin Cam "Cruise Drive" 6-speed transmissions without using a press or tapping it in with the transmission counter shaft. A precision hand tool that makes installation of the bearing square and at the correct depth. Comes complete with comprehensive instructions.

753608 Jims countershaft bearing tool

JIMS TRANSMISSION GEAR AND BEARING PULLER TOOL FOR V-ROD

This tool has been designed to remove the press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002-present. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 to present Twin Cam.
- Also to remove pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's.

753617 Jims bearing and race puller tool

JIMS PULLEY LOCK TOOL FOR SPORTSTER & BUELL

Another Jims quality tool. Use this one to lock the transmission final drive sprocket when removing and installing the sprocket nut. Works on all 1991 to present Sportster and all 1994 thru 2002 Buell with 28 or 29 tooth sprocket.

753606 Jims Sportster pulley lock tool

JIMS FINAL DRIVE SPROCKET LOCKNUT WRENCH

Heavy-Duty thick wall tube tool from Jims-USA. Extra long two piece design, inner collar will retain wrench to nut for safer service work. Used to install or remove the 1 7/8" hex nut that secures the final drive sprocket or pulley on the transmission main shaft on all Big Twins from 1936 thru 2006, except 2006 Dyna. Use with 1/2" drive ratchet.

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)

SPROCKET NUT WRENCH

Genuine Zodiac tool, used to install or remove the 1 7/8" hex nut that secures the final drive sprocket or pulley on the transmission main shaft on all Big Twins from 1936 thru 2006, except 2006 Dyna. Zinc plated finish (OEM 94660-37).

131141 Transmission sprocket nut wrench

KELLERMANN CHAIN TOOL

This chain tool will allow easy removal of a worn chain and precise assembly of a new chain with rivet-style link. No need to remove the swing arm when replacing the drive chain. The tool works with all 520, 525 and 530-series and 630-series chains from multiple brands, including our Tsubaki and Pingel chains. For 420, 425 and 428-series full rivet chains you will need the separately available chain tool extension set. The Kellermann chain tool works with a 3/4" (19mm) ring- or socket wrench.

742070 Kellermann chain tool
742071 Chain tool extension set

JIMS WHEEL BEARING REMOVER AND INSTALLER KIT FOR 2000 TO PRESENT MODELS

Use to remove and install "new style" sealed wheel bearings, as used in both ABS and non-ABS equipped 2000 to present Harley-Davidson and Buell models, without damaging the wheel. The kit is used for bearings for 3/4", 1" as well as 25mm axles. Kits supplied before 2007 did not include the tools for 25mm but can be upgraded with the optional bearing installer and bearing puller kit. For the cast 5- and 7-lug wheels in 2010 to present CVO's and all 2014 to present Touring a tool support plate must be ordered separately.

741912 Wheel bearing installer & remover kit for 3/4", 1" and 25mm axles
751077 Optional bearing installer & bearing puller for 25 mm axle

JIMS TIRE AND ENGINE ROTATOR

Use to rotate the front or rear tire. Have you ever wished you had a third hand? Well, with this Jims tool you do. Think about the possibilities of being able to put your motorcycle in high gear and turn the rear wheel with one hand and having the internal engine parts rotate. Check tappet adjustments, check cam timing, ignition timing, check primary chain adjustments, rear belt or chain adjustments, check spoke torque and install or remove any part or parts that need the engine rotated. Can also be used for finding the air fill and cleaning the wheel or tire. Ratchet, drive extension and socket not included.

753615 Jims tire and engine rotator

753621 NEW Tool support plate for 5- and 7-lug cast wheels

TIRE PUMP FOR MILITARY 45CI MODELS

An exact copy of the stock tire pump and clamps as found on WLA and WLC models, made by vintage bike parts specialist Samwel Supplies. The tire pump clamps have to be ordered separately.

745967 Tire pump (OEM 11553-41M)
745968 Set of 2 tire pump clamps (OEM 11557-40M)

Kellermann®

JIMS U.S.A.®

BRAKE FLUID ID AND CORROSION DETECTION STRIPS

We all know the hydraulic fluid in brake and clutch systems may need to be changed or flushed. The question is: When? JIMS has the answer. These detection strips reveal the condition of the fluid, as well as the hydraulic system itself. For obvious safety reasons, we feel these are a must for service departments as well as the home mechanic. BrakeStrip detection strips also determine whether there is DOT 3, DOT 4 or a combination of the two fluids in the system. Sold to dealer in packs with 100 strips.

753609 BrakeStrip detection strips, 100-pack

JIMS REVERSE BRAKE BLEEDING TOOL

The reverse brake bleeding tool will make the servicing and bleeding of brake lines an easy job. This tool will push the fluid from the caliper to the master cylinder, making sure all air bubbles will be removed from the system. There is no more guess work with covered brake systems, once there are no more bubbles rising in the master cylinder, the lines are properly bled.

Note: Most ABS systems on Harley-Davidsons also need Diag4Bike, Twin Scan II or III, or Harley's Digital Technician to perform a bleeding job.

751137 Jims Reverse brake bleeding tool

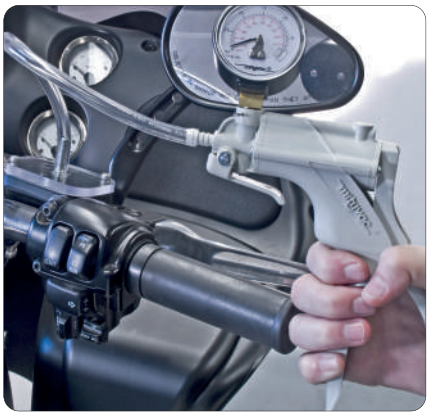
751138 Jims Spare fittings pack Reverse bleeder

MASTER CYLINDER BRAKE BLEEDING SOLUTION

At last there is now a hydraulic brake bleeding system where seeing is believing. This vacuum bleeding device consists of a transparent cap that forms a tight seal to the master cylinder and has a fitting to attach a vacuum pump. After the brake system has been filled with fluid and primed, the bleeder cap is installed on the master cylinder and the vacuum pump is applied. Under a vacuum of 30 to 40 inches Hg (a pressure differential of about 15 to 20 psi) air will be drawn out of the system and the bubbles will be visible through the transparent cap. When the bubbles subside, there is no more air in the system. This is especially advantageous with ABS and dual disc brake systems. It is also a cleaner way to purge the system of air with less fluid used and a reduced chance of cosmetic damage due to brake fluid spillage. Mityvac vacuum hand pump is not included but must be ordered separately.

753627 Master kit with all 5 caps

751136 Mityvac vacuum hand pump



Individual brake bleeder caps

753628 Fits the front master cylinder on 2008 to present Touring and 2006 to present V-Rod

753629 Fits the front master cylinder on 1996 thru 2003 Sportster, 2002 thru 2005 V-Rod, 1996 thru 2005 Softail, 1996 thru 2005 Dyna and 1996 thru 2004 Touring

753630 Fits the clutch master cylinder on 2014 to present Touring and 2006 to present V-Rod

753631 Fits the rear master cylinder on 2008 to present Touring

753632 Fits the rear master cylinder on 1999 thru 2007 Touring

NEW

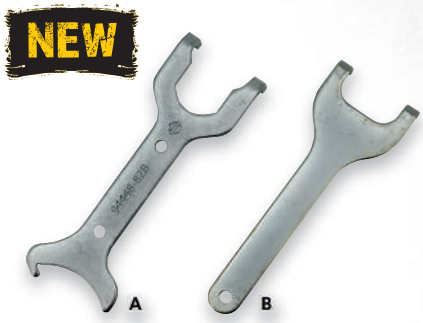
JIMS VACUUM FED FORK FILLING TOOL

This easy to use tool will eliminate the need on Touring models to remove the fairing in order to change the fork oil. To drain the fluid, simply insert the tapered fitting into the drain hole and create a vacuum using the separately available Mityvac vacuum hand pump. Once you reach approximately 23lbs. of vacuum pressure, rotate the valve and instantly the vacuum will draw the pre-measured amount of fork fluid into the fork tube. The Mityvac vacuum hand pump can also be used for a various other applications such as brake bleeding, fluid transfers and vacuum diagnostics.

Note: Not for use with cartridge type forks, Upside Down and other inverted fork assemblies

751135 Jims Vacuum fork filling tool
751136 Mityvac vacuum hand pump

NEW



SHOCK PRE-LOAD TOOLS

Single hand tools used to adjust the spring pre-load of the rear shock absorbers. Does not require jacking or lifting of the rear wheel off the ground. The universal type works on most Harley models, except XG500 & XG750 Street, XR1200 and 2016 to present XL models, nor XL and Dyna models equipped with Premium Emulsion Shocks. The Softail version works on all Softail models, including Deuce, Rocker and Breakout.

A. 750803 Universal spring preload tool (OEM 94448-82B)
B. 741884 Softail spring preload tool (OEM 94455-89)

SPECTRO'S ALL PURPOSE SUSPENSION, BRAKE AND METAL PARTS CLEANER

Suspension cleaner is a much better product for cleaning oil off of metal than a brake cleaner could ever be. We just couldn't come out with this new "brake cleaner" and call it brake cleaner. You will really like the suspension cleaner for removing oil from anything. An ideal spray to quickly clean and degrease all metal surfaces, leaving no residue. Works perfectly when used to clean your front or rear suspension parts, disc brake rotors, calipers and brake pads. Can also be used for de-greasing engine parts. Sold in 12.5 oz bottles.

235213 12.5 oz Spray can (each)
235215 Shop case of 12 spray cans

NEW

SPECTRO WATERPROOF GREASE

This multi-grade, extreme pressure grease does not thin out at high temperatures, and provides superior protection in all critical applications. Ideal for use in wheel bearings, steering head bearings, and swing arm pivots.

235212 6-pack 1 lb. (0.454kg) tubs
741765 Tub 1 lb. (0.454kg)
744438 10-pack 14.5 oz. (0.411 kg) grease gun cartridges
744439 14.5 oz. (0.411 kg) grease gun cartridge